

May 14, 2021

Mr. Chuck Mitten
The Wine Group, Inc.
17000 E Highway 120
Ripon, CA 95366

Re: Notice of Preliminary Decision – Title V Permit Renewal
Facility Number: N-956
Project Number: N-1200094

Dear Mr. Mitten:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for The Wine Group, Inc. at 17000 E. Highway 120, Ripon, California.

The notice of preliminary decision for this project has been posted on the District's website (www.valleyair.org). After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the renewed Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Errol Villegas, Permit Services Manager, at (559) 230-5900.

Sincerely,



Brian Clements
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email
cc: Laura Yannayon, EPA (w/enclosure) via EPS

Samir Sheikh
Executive Director/Air Pollution Control Officer

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**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Title V Permit Renewal Evaluation
The Wine Group, Inc.
N-956**

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ATTACHMENTS

- A. DRAFT RENEWED TITLE V OPERATING PERMIT
- B. PREVIOUS TITLE V OPERATING PERMIT
- C. EQUIPMENT LISTING

TITLE V PERMIT RENEWAL EVALUATION

Winery

Engineer: Jonah Aiyabei

Date: May 14, 2021

Facility ID: N-956
Facility Name: The Wine Group, Inc.
Mailing Address: 17000 E Highway 120
Ripon, CA 95366

Contact Name: Chuck Mitten
Phone #: (209) 599-0389
Email: chuck.mitten@thewinegroup.com

Responsible Official: Chuck Mitten
Title: Plant Manager

Project #: N-1200094
Deemed Complete: February 5, 2020

I. PROPOSAL

The Wine Group, Inc. was issued their initial Title V permit in 2010. The permit was previously renewed in 2015. As required by District Rule 2520, the applicant has applied for a permit renewal. The existing Title V permit will be reviewed and modified to reflect all applicable District and federal rules that have been updated, removed, or added since the last renewal.

The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to determine if the facility will comply with these updated requirements. It also specifically identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

II. FACILITY LOCATION

The Wine Group, Inc. is located at 17000 E. Highway 120 in Ripon.

III. EQUIPMENT LISTING

A detailed facility report listing all the permitted equipment at this facility is included as Attachment C.

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant has requested to utilize template No. SJV-UM-0-3, Facility-Wide Umbrella General Permit Template. Based on the information submitted in the template qualification form, the applicant qualifies for the use of this template.

V. SCOPE OF EPA AND PUBLIC REVIEW

Certain segments of the proposed renewed operating permit are based on model general permit templates that have been previously subject to EPA and public review. The terms and conditions from the model general permit templates are included in the proposed permit and are not subject to further EPA and public review.

For permit applications utilizing model general permit templates, public and agency comments on the District’s proposed actions are limited to the applicant’s eligibility for model general permit template, applicable requirements not covered by the model general permit template, and the applicable procedural requirements for issuance of Title V Operating Permits.

The following permit conditions, including their underlying applicable requirements, originate from model general permit templates and are not subject to further EPA or public review:

Permit Unit	Condition #s
N-956-0-3	1 through 40

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

Rules Updated or Evaluated

- District Rule 2020, Exemptions
(amended August 18, 2011 ⇒ amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule
(amended April 21, 2011 ⇒ amended August 15, 2019)
- District Rule 2520, Federally Mandated Operating Permits
(amended June 21, 2001 ⇒ amended August 15, 2019)
- District Rule 4306, Boilers, Steam Generators, and Process Heaters – Phase 3
(amended December 17, 2020)

- District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr
(amended December 17, 2020)
- District Rule 4601, Architectural Coatings
(amended December 17, 2009 ⇒ amended April 16, 2020)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
(amended December 4, 2020)
- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
(amended December 4, 2020)
- 40 CFR Part 64, Compliance Assurance Monitoring
(adopted October 22, 1997)
- 40 CFR Part 82 Subpart B, Servicing of Motor Vehicle Air Conditioners
(amended March 24, 2021)
- 40 CFR Part 82 Subpart F, Recycling and Emissions Reductions
(amended April 10, 2020)

Rules Removed

There have been no rules removed since the last renewed Title V permit was issued.

Rules Added

- District Rule 2410, Prevention of Significant Deterioration
(adopted June 16, 2011)

Rules Not Updated

- District Rule 1070, Inspections
(amended December 17, 1992)
- District Rule 1080, Stack Monitoring
(amended December 17, 1992)
- District Rule 1081, Source Sampling
(amended December 16, 1993)

- District Rule 1100, Equipment Breakdown (Non-SIP replacement for San Joaquin County Rule 110)
(amended December 17, 1992)
- District Rule 1160, Emission Statements
(amended November 18, 1992)
- District Rule 2010, Permits Required
(amended December 17, 1992)
- District Rule 2031, Transfer of Permits
(amended December 17, 1992)
- District Rule 2040, Applications
(amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications
(amended December 17, 1992)
- District Rule 2080, Conditional Approval
(amended December 17, 1992)
- District Rule 4101, Visible Emissions
(amended February 17, 2005)
- District Rule 4201, Particulate Matter Concentration
(amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate
(amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment
(amended December 17, 1992)
- District Rule 4304, Equipment Tuning Procedures for Boilers, Steam Generators, and Process Heaters
(adopted October 19, 1995)
- District Rule 4305, Boilers, Steam Generators, and Process Heaters – Phase 2
(amended August 21, 2003)
- District Rule 4694, Wine Fermentation and Storage Tanks
(amended December 15, 2005)¹

¹ Although Rule 4694 itself has not been amended since 2005, the District's SIP submittal was amended on August 18, 2011 to exclude the fermentation requirements. The storage requirements were subsequently approved into the SIP, and therefore became federally enforceable, on November 29, 2012. The updated requirements were evaluated during the last Title V permit renewal in 2014.

- District Rule 4695, Brandy Aging and Wine Aging Operations
(amended September 17, 2009)
- District Rule 4701, Internal Combustion Engines – Phase 1
(amended August 21, 2003)
- District Rule 4702, Internal Combustion Engines
(amended November 14, 2013)
- District Rule 4801, Sulfur Compounds
(amended December 17, 1992)
- District Rule 8011, Fugitive Dust General Requirements
(amended August 19, 2004)
- District Rule 8021, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Construction, Demolition, Excavation, and Extraction Activities
(amended August 19, 2004)
- District Rule 8031, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Handling and Storage of Bulk Materials
(amended August 19, 2004)
- District Rule 8041, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Carryout and Trackout
(amended August 19, 2004)
- District Rule 8051, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Open Areas
(amended August 19, 2004)
- District Rule 8061, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Paved and Unpaved Roads
(amended August 19, 2004)
- District Rule 8071, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Unpaved Vehicle/Equipment Areas
(amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emissions Standards for Asbestos
(amended July 20, 2004)
- 40 CFR Part 68, Chemical Accident Prevention Provisions
(amended April 9, 2004)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains the federally enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V operating permit. The terms and conditions that are part of the facility’s Title V permit are designated as “Federally Enforceable Through Title V Permit.”

For this facility, the following rules are not federally enforceable:

A. Rules Updated

No rules were updated.

B. Rules Added

No rules were added.

C. Rules Not Updated

1. District Rule 4102, Nuisance

This rule prevents the discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such person or the public or which cause or have a natural tendency to cause injury or damage to business or property.

The following condition is based on this rule and is therefore not federally enforceable through Title V:

Permit Unit	Condition #
N-956-0-3	42
N-956-8-3	2
N-956-9-3	3
N-956-235-2	1
N-956-309-3 through 318-3	1

2. District Rule 4694, Wine Fermentation and Storage Tanks

The purpose of this rule is to reduce emissions of volatile organic compounds (VOC) from the fermentation and bulk storage of wine, or achieve equivalent reductions from alternative emission sources. The rule is applicable to any winery fermenting wine and/or storing wine in bulk containers.

The rule was adopted on December 15, 2005 and submitted to EPA for approval into the State Implementation Plan (SIP). On August 18, 2011, the District approved an amended SIP submittal which excludes the fermentation provisions of the rule while maintaining the storage provisions. The fermentation provisions are therefore not federally enforceable.

The following conditions are entirely based on this rule and are therefore not federally enforceable through Title V:

Permit Unit	Condition #(s)
N-956-0-3	43 - 47
N-956-11-5 through 218-5; 236-3 through 249-3; 250-2 through 271-2; 272-3 through 274-3; 279-2 through 308-2; and 319-2 through 332-2.	9
N-956-275-2 through 278-2	10

3. Title 17 CCR, Section 93115 - Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines

The Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition (CI) Engines is a rule under the California Code of Regulations (CCR), which is the official compilation and publication of the regulations adopted, amended or repealed by state agencies. The purpose of this ATCM is to reduce diesel particulate matter (PM) and criteria pollutant emissions from stationary diesel-fired engines.

The following conditions are jointly based on this rule and other federally enforceable rules. The conditions are therefore not federally enforceable through this rule:

Permit Unit	Condition #s
N-956-8-3	3, 19, and 22 through 24
N-956-9-3	4, 19, and 22 through 24

VIII. PERMIT REQUIREMENTS

The purpose of this evaluation is to review changes to federally enforceable requirements. This section will therefore only address rules that have been amended or added since the issuance of the last Title V permit renewal in 2015.

1. District Rule 2020 – Exemptions

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any effect on current permit requirements and will therefore not be addressed in this evaluation.

2. District Rule 2201 – New and Modified Stationary Source Review Rule

District Rule 2201 has been amended since this Title V permit was last renewed. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit. The updated requirements of this rule are therefore not applicable at this time.

3. District Rule 2410 – Prevention of Significant Deterioration

The requirements of this rule are only triggered at the time the source undergoes a modification. The requirements of this rule cannot be triggered by the renewal of a Title V permit, since permit renewal does not involve any construction or modification of the stationary source. Therefore, no requirements from this rule are applicable at this time.

4. District Rule 2520 – Federally Mandated Operating Permits

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40 CFR Part 98) is not included in the definition of an applicable requirement within Title V (per 40 CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

5. District Rule 4306 – Boilers, Steam Generators, and Process Heaters – Phase 3

District Rule 4306 was amended on December 17, 2020. However, the amended version rule is not yet SIP-approved by EPA. The previous version of the rule (amended October 16, 2008) is SIP-approved and is addressed by the current permit requirements.

The requirements in the amended version of the rule will not take effect until December 31, 2029. The rule requires the facility to submit an Authority to Construct permit application to implement the amended requirements. Compliance with the new requirements will therefore be addressed later, in accordance with the compliance schedule specified in the rule, through the ATC process and appropriate Title V permit modification process.

6. District Rule 4320 – Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr

District Rule 4320 was amended on December 17, 2020. However, the amended version rule is not yet SIP-approved by EPA. The previous version of the rule (amended October 16, 2008) is SIP-approved and is addressed by the current permit requirements.

The requirements in the amended version of the rule will not take effect until December 31, 2023. The rule requires the facility to submit an Authority to Construct permit application to implement the amended requirements. Compliance with the new requirements will therefore be addressed later, in accordance with the compliance schedule specified in the rule, through the ATC process and appropriate Title V permit modification process.

7. District Rule 4601 – Architectural Coatings

District Rule 4601 was amended on April 16, 2020. However, the amended rule is not SIP-approved by EPA. The previous version of this rule (amended December 17, 2009) is SIP-approved and is addressed by the District's facility-wide umbrella template. Therefore, template SJV-UM-0-3 is still valid for this project.

8. 40 CFR Part 60, Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

This subpart applies to owners and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005 where the stationary CI ICE are (1) manufactured after April 1, 2006 and are not fire pump engines, or manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

Both of the compression ignition engines located at this facility (i.e. Permit Units N-956-8 and N-956-9) were installed prior to July 11, 2005 and are therefore not subject to the requirement of this subpart.

9. 40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Pursuant to §63.6603(a), the owner or operator of an existing (commenced construction/reconstruction prior to June 12, 2006) stationary reciprocating internal combustion engine (RICE) located at an area source of HAP emissions, must comply with the requirements in Table 2d to this subpart.

Pursuant to Table 2d row 4, the following requirements are applicable to emergency stationary CI RICE:

- Change oil and filter every 500 hours of operation or annually, whichever comes first
- Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary

Pursuant to §63.6625(e)(3), the owner or operator of an emergency stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

Pursuant to §63.6625(f), the owner or operator of an existing emergency stationary RICE located at an area source of HAP emissions must install a non-resettable hour meter if one is not already installed.

Pursuant to §63.6625(h), the owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Pursuant to §63.6625(i), the owner or operator of an existing emergency stationary RICE located at an area source of HAP emissions may have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the

analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Pursuant to §63.6640(a), the owner or operator of an existing emergency stationary RICE located at an area source of HAP emissions may demonstrate on-going compliance with the requirements of this subpart by operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or developing and following their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions (Table 6 row 9).

Pursuant to §63.6640(f): 1) There is no time limit on the use of emergency stationary RICE in emergency situations; and 2) An emergency stationary RICE may be operated for maintenance checks and readiness testing, emergency demand response, and other non-emergency situations up to a maximum of 100 hours per calendar year.

Pursuant to §63.6655(a)(2), the owner or operator must maintain records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment.

Pursuant to §63.6655(a)(4), the owner or operator must maintain records of all required maintenance performed on the air pollution control and monitoring equipment.

Pursuant to §63.6655(a)(5), the owner or operator must maintain records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

Pursuant to §63.6655(d), the owner or operator must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to them.

Pursuant to §63.6660, the owner or operator must maintain records in a form suitable and readily available for expeditious review, and readily accessible in hard copy or electronic form for at least 5 years.

The following conditions on the draft renewed permits are a mechanism to ensure compliance with these requirements:

Permit Unit	Condition #s
N-956-8-3	3, 4, 11 through 17, and 24
N-956-9-3	4, 5, 11 through 17, and 24

10.40 CFR Part 64 - Compliance Assurance Monitoring

§64.2 – Applicability

This regulation requires compliance assurance monitoring (CAM) for units that meet the following three criteria:

- 1) The unit must have an emission limit for the pollutant;
- 2) The unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
- 3) The unit must have a pre-control potential to emit greater than the major source thresholds.

The permit units at this facility consist of a boiler, diesel-fired IC engines, wine/distilled spirits tanks, and a wastewater sump.

a. Boiler

The boiler has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC but it is not equipped with any add-on control devices for SO_x, PM₁₀, CO, or VOC emissions. It is therefore not subject to CAM for SO_x, PM₁₀, CO, or VOC emissions.

The boiler may be subject to CAM for NO_x emissions since it is equipped with an add-on control device (FGR system) for NO_x emissions.

Based on the emission factors in AP-42 (Table 1.4-1), the control efficiency of the FGR is estimated to be 36%. Based on this control efficiency, the pre-control potential to emit (PE) is calculated as follows:

$$\begin{aligned} PE &= (17.5 \text{ MMBtu/hr}) \times (0.011 \text{ lb/MMBtu}) \times (8,760 \text{ hr/yr}) / (1 - 0.36) \\ &= 2,635 \text{ lb/yr} \end{aligned}$$

Since the pre-control PE is less than the major source threshold (i.e. 20,000 lb/yr), the boiler is not subject to CAM requirements.

b. Diesel-Fired IC Engines

Since the engines are not equipped with any add-on control devices, they are not subject to CAM.

c. Wine/Distilled Spirits Tanks

Since the tanks are not equipped with any add-on control devices, they are not subject to CAM.

d. Wastewater Sump

Since the sump is not equipped with any add-on control devices, it is not subject to CAM.

11.40 CFR Part 82 Subpart B – Servicing of Motor Vehicle Air Conditioners

The purpose of 40 CFR Part 82 Subpart B is to implement section 609 of the Clean Air Act, as amended regarding the servicing of motor vehicle air conditioners (MVACs), and to implement section 608 of the Clean Air Act regarding certain servicing, maintenance, repair and disposal of air conditioners in MVACs and MVAC-like appliances.

These regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

The amendments to this subpart did not have any effect on the current permit requirements and will therefore not be addressed further in this evaluation. The following condition on the draft renewed permit is a mechanism to ensure compliance with the requirements of this subpart:

Permit Unit	Condition #
N-956-0-3	28

12.40 CFR Part 82 Subpart F – Recycling and Emissions Reductions

The purpose of 40 CFR Part 82 Subpart F is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the service, maintenance, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I and class II ODS in accordance with Title VI of the Clean Air Act.

These regulations apply to any person servicing, maintaining, or repairing appliances. This subpart also applies to persons disposing of appliances, including small appliances and motor vehicle air conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants

or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

The amendments to this subpart did not have any effect on the current permit requirements and will therefore not be addressed further in this evaluation.

The following condition on the draft renewed permit is a mechanism to ensure compliance with the requirements of this subpart:

Permit Unit	Condition #
N-956-0-3	27

IX. PERMIT SHIELD

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the Title V permit. Compliance with the terms and conditions of the Operating Permit is considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

A. Requirements Addressed by Model General Permit Templates

By using the model general permit template listed in Section IV of this evaluation, the applicant has requested that a permit shield be issued for requirements addressed in the template. The basis for each permit shield is discussed in the Permit Shield section of each template.

B. Requirements not Addressed by Model General Permit Templates

This Title V permit renewal application does not include any proposals for new permit shields or modifications to any pre-existing permit shields. The proposed renewed Title V permit therefore does not include any new or modified permit shields.

X. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The purpose of the Title V permit renewal is to update the permit to ensure that any changes to regulations since the issuance of the initial Title V permit, or the most recent renewal of the Title V permit, are incorporated as permit requirements.

Per CEQA Statutes §21080.24 and CEQA Guidelines §15281, the issuance, modification, amendment, or renewal of any permit by an air pollution control district or air quality management district pursuant to Title V is exempt from CEQA, unless the issuance, modification, amendment, or renewal authorizes a physical or operational change to a source or facility. Since this Title V permit

renewal does not authorize any physical or operational changes to the source or facility, it is exempt from CEQA.

XI. PERMIT CONDITIONS

The draft renewed Title V operating permit is included as Attachment A.

ATTACHMENTS

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Equipment Listing

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: N-956-0-3

EXPIRATION DATE: 09/30/2020

FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: THE WINE GROUP, INC.
Location: 17000 E HIGHWAY 120, RIPON, CA 95366
N-956-0-3 : Apr 2 2021 12:31PM -- AIYABEIJ

9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. {4371} The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. {4372} Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. {4373} If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. {4374} It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. {4375} The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. {4376} The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. {4377} The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. {4378} The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. {4379} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. {4380} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. {4381} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. {4382} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit

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FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. {4400} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. {4401} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. On June 30, 2010, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin July 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
42. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
43. This facility shall annually achieve the Required Annual Emission Reductions (RAER) as specified in the facility's APCO-approved Three-Year Compliance Plan for District Rule 4694. [District Rule 4694]
44. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2006, and every three years thereafter on or before December 1. [District Rule 4694]

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
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45. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2007, and every three years thereafter on or before July 1. [District Rule 4694]
46. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2008, and every year thereafter on or before March 1. [District Rule 4694]
47. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-6-7

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

17.5 MMBTU/HR HURST SERIES 400 PROPANE-FIRED BOILER WITH AN ALZETA MODEL CSB252 ULTRA LOW NOX BURNER AND INDUCED FLUE GAS RECIRCULATION SYSTEM

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The unit shall only be fired on propane (LPG). [District NSR Rule] Federally Enforceable Through Title V Permit
4. Emissions rates shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.0024 lb-SO_x/MMBtu, 0.0066 lb-PM₁₀/MMBtu, 100 ppmvd CO @ 3% O₂ or 0.074 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District NSR Rule, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
5. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable analyzer that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within five days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than one hour of operation after detection. If the portable analyzer show that the emissions continue to exceed the allowable levels after one hour of operation after detection, the permittee shall notify the District within the following one hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
7. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

8. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
9. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rules 4320 (amended 10/16/08). [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
10. On and after July 1, 2012, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320] Federally Enforceable Through Title V Permit
11. Source testing to measure propane combustion NO_x and CO emissions from this unit shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 36 months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every 12 months. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
12. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
13. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
14. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
15. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
16. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
17. Stack gas velocities for source test purposes shall be determined using EPA Method 2. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
18. Stack gas moisture content for source test purposes shall be determined using EPA Method 4. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
19. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
20. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
22. The boiler must be fitted with a revised identification plate indicating the re-rated rating, in MMBtu per hour. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
24. The permittee shall keep daily records of the amount of fuel combusted for a period of five years, and shall make records available for inspection upon request. [District Rule 2520, 9.4.2, and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-8-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

240 BHP CUMMINS MODEL N-855-F (S/N 99486) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
6. The engine shall not be operated more than 21.4 hours during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. NOx emissions shall not exceed 8.8 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
8. CO emissions shall not exceed 7.8 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC emissions shall not exceed 0.13 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions rate shall not exceed 0.5 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

13. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
19. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 2002 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 47 hours per calendar year. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
20. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
21. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
22. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
23. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
24. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-9-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

270 BHP CUMMINS MODEL 6CTA8.3-F2 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
3. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. NOx emissions shall not exceed 6.03 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
8. VOC emissions shall not exceed 0.76 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions shall not exceed 1.79 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The PM10 emission concentration shall not exceed 0.25 g/bhp-hr based on U.S. EPA certification using test procedure ISO 8178. [District Rule 2201 and District Rule 4102] Federally Enforceable Through Title V Permit
11. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

13. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
19. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 2002 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 53 hours per calendar year. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
20. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
21. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
22. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
23. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
24. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-11-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK B1 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-12-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK B2 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-13-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

10,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 24 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-14-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

10,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 39 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-15-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 44 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-16-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 45 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-17-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 46 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-18-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 47 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-19-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 48 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-20-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 49 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-21-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 50 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-22-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 51 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-23-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 52 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-24-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 53 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-25-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 54 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-26-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 55 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-27-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 56 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-28-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 57 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-29-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 58 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-30-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 59 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-31-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 60 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-32-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

12,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 62 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-33-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 116 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-34-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 117 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-35-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 118 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-36-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 131 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-37-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 132 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-38-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 133 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-39-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 134 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-40-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 135 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-43-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1001 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-44-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1002 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-45-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1003 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-46-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1004 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-47-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1005 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-48-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1006 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-49-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1007 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-50-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1008 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-51-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1009 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-52-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1011 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-53-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1012 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-54-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1013 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-55-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1014 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-56-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1015 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-57-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1016 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-58-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1017 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-59-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1018 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-60-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1019 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-61-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1020 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-62-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1021 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-63-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1022 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-64-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1023 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-65-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1024 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-66-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1025 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-67-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1026 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-68-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1027 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-69-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1028 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-70-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1029 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-71-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1030 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-72-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2001 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-73-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2002 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-74-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2003 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-75-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2004 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-76-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2005 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-77-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2006 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-78-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2007 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-79-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2008 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-80-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2009 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-81-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2010 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-82-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2011 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-83-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2012 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-84-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2013 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-85-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2014 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-86-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2015 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-87-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2016 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-88-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2017 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-89-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2018 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-90-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2019 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-91-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2020 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-92-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2021 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-93-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2022 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-94-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2023 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-95-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2025 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-96-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2026 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-97-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2027 WITH PRESSURE/VACUUM VALVE:

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-98-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2028 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-99-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2029 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-100-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2030 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-101-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2031 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-102-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2032 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-103-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2033 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-104-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2034 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-105-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2039 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-106-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2040 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-107-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2041 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-108-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2042 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-109-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2043 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-110-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2044 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-111-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2045 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-112-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2047 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-114-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2049 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-113-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2048 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-115-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3001 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-116-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3002 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-117-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3003 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-118-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3004 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-119-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3005 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-120-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3006 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-121-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3007 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-122-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3008 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-123-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3009 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-124-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3010 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-125-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3011 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-126-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

324,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3012 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-127-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3013 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-128-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3014 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-129-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3015 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-130-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3016 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-131-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3017 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-132-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3018 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-133-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3019 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-134-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3020 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-135-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3021 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-136-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3022 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-137-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3023 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-138-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3024 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-139-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3025 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-140-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3026 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-141-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3027 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-142-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3028 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-143-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3029 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-144-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3030 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-145-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3031 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-146-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3032 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-147-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3033 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-148-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3034 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-149-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3035 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-150-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3036 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-151-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3037 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-152-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3038 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-153-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3039 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-154-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3040 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-155-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3041 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-156-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3042 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-157-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3043 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-158-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3044 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-159-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3045 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-160-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3046 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-161-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3047 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-162-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3048 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-163-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3049 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-164-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3050 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-165-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3051 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-166-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3052 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-167-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3053 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-168-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3054 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-169-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3055 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-170-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3056 WITH PRESSURE/VACUUM VALVE:

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-171-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3057 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-172-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3058 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-173-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3059 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-174-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3060 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-175-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3061 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-176-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3062 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-177-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3063 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-178-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3064 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-179-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3065 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-180-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3066 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-181-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3067 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-182-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3068 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-183-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3070 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-184-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3072 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-185-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3074 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-186-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3076 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-187-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3077 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-188-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3078 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-189-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3079 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-190-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6013 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-191-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6014 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-192-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6015 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-193-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6019 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-194-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6020 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-195-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6021 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-196-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6022 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-197-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6023 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-198-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6024 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-199-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7202 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-200-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7207 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-201-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7201 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-202-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7206 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-203-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 205)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-204-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 206)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-205-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 207)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-206-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 208)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-207-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 209)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-208-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 210)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-209-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 211)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-210-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 212)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-211-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 213)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-212-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 214)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-213-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 215)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-214-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 216)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-215-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 217)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-216-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 218)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-217-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 219)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-218-5

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 220)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-235-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:
WINERY WASTEWATER COLLECTION SUMP

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PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-236-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 236)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-237-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 235)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-238-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 441)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-239-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 442)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-240-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 443)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-241-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 444)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-242-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 445)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$ [District Rule]
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-243-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 446)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-244-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 447)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-245-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 448)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-246-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 449)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-247-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 450)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-248-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 451)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-249-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 452)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-250-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2046)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-251-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2050)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-252-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2051)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-253-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2052)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-254-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2207)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-255-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2208)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-256-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2203)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-257-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2204)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-258-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2205)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-259-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2206)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-260-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2201) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-261-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2202)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-262-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3206)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-263-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3203)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-264-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3204)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-265-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3205)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-266-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3201) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-267-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3202) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-268-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7203)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-269-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7209)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-270-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7204)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-271-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7208)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-272-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

44,929 GALLON CONCRETE RED AND WHITE WINE FERMENTATION AND STORAGE TANK 95 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201]
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201]
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-273-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

44,929 GALLON CONCRETE RED AND WHITE WINE FERMENTATION AND STORAGE TANK 96 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201]
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-274-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,867 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1010 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-275-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9000

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When this tank is used for wine storage, the tank shall be insulated (or placed indoors in a climate controlled building or equivalent). [District Rule 2201] Federally Enforceable Through Title V Permit
5. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed four times the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]
12. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total annual VOC emissions from wine storage operations shall be determined as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-276-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9001

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When this tank is used for wine storage, the tank shall be insulated (or placed indoors in a climate controlled building or equivalent). [District Rule 2201] Federally Enforceable Through Title V Permit
5. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed four times the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]
12. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total annual VOC emissions from wine storage operations shall be determined as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-277-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9002

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When this tank is used for wine storage, the tank shall be insulated (or placed indoors in a climate controlled building or equivalent). [District Rule 2201] Federally Enforceable Through Title V Permit
5. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed four times the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]
12. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total annual VOC emissions from wine storage operations shall be determined as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-278-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9003

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When this tank is used for wine storage, the tank shall be insulated (or placed indoors in a climate controlled building or equivalent). [District Rule 2201] Federally Enforceable Through Title V Permit
5. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed four times the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]
12. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total annual VOC emissions from wine storage operations shall be determined as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-279-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1201 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-280-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1202 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-281-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1203 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-282-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1204 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-283-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3207 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-284-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3208 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-285-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3209 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-286-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3210 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-287-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3211 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-288-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3212 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-289-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3213 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-290-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3214 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-291-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3215 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-292-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3216 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-293-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3217 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-294-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3218 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-295-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3219 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-296-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3220 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-297-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3221 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-298-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3222 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-299-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3223 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-300-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3224 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-301-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3225 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-302-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3226 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-303-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3227 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-304-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3228 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-305-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3229 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-306-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3230 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-307-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 7205 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-308-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 7210 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-309-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

7,528 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 1)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-310-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

7,528 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 2)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-311-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

5,071 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 3)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-312-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

2,853 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 4)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-313-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

13,504 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 5)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-314-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

13,504 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 6)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-315-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

127,781 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 7) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-316-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

54,639 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 8) WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-317-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

54,639 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 9) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-318-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,274 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 10) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-319-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3301 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-320-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3302 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-321-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3303 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-322-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3304 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-323-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3305 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-324-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3306 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-325-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3080 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-326-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3081 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-327-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3401 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-328-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3402 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-329-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3403 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-330-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3404 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-331-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3405 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-332-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3406 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-333-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

128,157 GALLON INSULATED STAINLESS STEEL WINE AND DISTILLED SPIRITS STORAGE TANK #301 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
2. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 4694, 5.2.2] Federally Enforceable Through Title V Permit
4. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The ethanol content of distilled spirits stored in this tank shall not exceed 98.0 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Daily tank throughput, in gallons, shall not exceed two times the tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The maximum spirits storage throughput for tanks listed under permit N-956-333 and N-956-334, calculated on a 12-month rolling basis, shall not exceed 1,200,000 gallons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit
9. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine/spirits transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
14. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling distilled spirits storage throughput shall be maintained and updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-334-3

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,361 GALLON INSULATED STAINLESS STEEL WINE AND DISTILLED SPIRITS STORAGE TANK #302 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
2. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 4694, 5.2.2] Federally Enforceable Through Title V Permit
4. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The ethanol content of distilled spirits stored in this tank shall not exceed 98.0 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Daily tank throughput, in gallons, shall not exceed two times the tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The maximum spirits storage throughput for tanks listed under permit N-956-333 and N-956-334, calculated on a 12-month rolling basis, shall not exceed 1,200,000 gallons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit
9. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine/spirits transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
14. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling distilled spirits storage throughput shall be maintained and updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-335-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK-2017-1 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-336-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK-2017-2 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-337-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK-2017-3 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-338-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK-2017-4 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-339-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK-2017-5 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-340-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK-2017-6 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-341-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK-2017-7 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-342-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK-2017-8 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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ATTACHMENT B

Previous Title V Operating Permit

Permit to Operate

FACILITY: N-956

EXPIRATION DATE: 09/30/2020

LEGAL OWNER OR OPERATOR: THE WINE GROUP, INC.
MAILING ADDRESS: 17000 E HIGHWAY 120
RIPON, CA 95366

FACILITY LOCATION: 17000 E HIGHWAY 120
RIPON, CA 95366

FACILITY DESCRIPTION: WINERY

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Samir Sheikh
Executive Director / APCO

Brian Clements
Director of Permit Services

San Joaquin Valley Air Pollution Control District

FACILITY: N-956-0-2

EXPIRATION DATE: 09/30/2020

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. On June 30, 2010, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin July 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
42. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
43. This facility shall annually achieve the Required Annual Emission Reductions (RAER) as specified in the facility's APCO-approved Three-Year Compliance Plan for District Rule 4694. [District Rule 4694]
44. A Three-Year Compliance Plan that demonstrates compliance with the requirements of Section 5.1 of District Rule 4694 for each year of the applicable compliance period shall be submitted to the District by no later than December 1, 2006, and every three years thereafter on or before December 1. [District Rule 4694]
45. A Three-Year Compliance Plan Verification that demonstrates that the Three-Year Compliance Plan elements are in effect shall be submitted to the District by no later than July 1, 2007, and every three years thereafter on or before July 1. [District Rule 4694]
46. An Annual Compliance Plan Demonstration that shows compliance with the applicable requirements of this rule shall be submitted to the District by no later than March 1, 2008, and every year thereafter on or before March 1. [District Rule 4694]
47. Operators using CER to mitigate fermentation emissions shall perform all monitoring and recordkeeping, as established in their approved Three-Year Compliance Plan, and shall maintain all records necessary to demonstrate compliance. [District Rule 4694]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-6-6

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

17.5 MMBTU/HR HURST SERIES 400 PROPANE-FIRED BOILER WITH AN ALZETA MODEL CSB252 ULTRA LOW NOX BURNER AND INDUCED FLUE GAS RECIRCULATION SYSTEM

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The unit shall only be fired on propane (LPG). [District NSR Rule] Federally Enforceable Through Title V Permit
4. Emissions rates shall not exceed any of the following limits: 9 ppmvd NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.0024 lb-SO_x/MMBtu, 0.0066 lb-PM₁₀/MMBtu, 100 ppmvd CO @ 3% O₂ or 0.074 lb-CO/MMBtu, or 0.004 lb-VOC/MMBtu. [District NSR Rule, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
5. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable analyzer that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within five days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
6. If either the NO_x or CO concentrations corrected to 3% O₂, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than one hour of operation after detection. If the portable analyzer show that the emissions continue to exceed the allowable levels after one hour of operation after detection, the permittee shall notify the District within the following one hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
7. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

8. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
9. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rules 4320 (amended 10/16/08). [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
10. On and after July 1, 2012, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320] Federally Enforceable Through Title V Permit
11. Source testing to measure propane combustion NO_x and CO emissions from this unit shall be conducted at least once every 12 months. After demonstrating compliance on two consecutive annual source tests, the unit shall be tested not less than once every 36 months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every 12 months. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
12. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
13. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
14. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
15. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
16. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
17. Stack gas velocities for source test purposes shall be determined using EPA Method 2. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
18. Stack gas moisture content for source test purposes shall be determined using EPA Method 4. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
19. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
20. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
22. The boiler must be fitted with a revised identification plate indicating the re-rated rating, in MMBtu per hour. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
24. The permittee shall keep daily records of the amount of fuel combusted for a period of five years, and shall make records available for inspection upon request. [District Rule 2520, 9.4.2, and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-8-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

240 BHP CUMMINS MODEL N-855-F (S/N 99486) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
6. The engine shall not be operated more than 21.4 hours during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. NOx emissions shall not exceed 8.8 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
8. CO emissions shall not exceed 7.8 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. VOC emissions shall not exceed 0.13 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions rate shall not exceed 0.5 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

13. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
19. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 2002 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 47 hours per calendar year. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
20. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
21. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
22. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
23. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
24. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-9-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

270 BHP CUMMINS MODEL 6CTA8.3-F2 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. NOx emissions shall not exceed 6.03 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
8. VOC emissions shall not exceed 0.76 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions shall not exceed 1.79 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The PM10 emission concentration shall not exceed 0.25 g/bhp-hr based on U.S. EPA certification using test procedure ISO 8178. [District Rule 2201 and District Rule 4102] Federally Enforceable Through Title V Permit
11. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

13. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
19. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 2002 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 53 hours per calendar year. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
20. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
21. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
22. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
23. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
24. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-11-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK B1 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-12-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK B2 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-13-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

10,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 24 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-14-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

10,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 39 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-15-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 44 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-16-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 45 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-17-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 46 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-18-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 47 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-19-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 48 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-20-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 49 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-21-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 50 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-22-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 51 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-23-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 52 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-24-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 53 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-25-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 54 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-26-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 55 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-27-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 56 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-28-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 57 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-29-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 58 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-30-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 59 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-31-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 60 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-32-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

12,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 62 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-33-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 116 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-34-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 117 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-35-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 118 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-36-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 131 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-37-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 132 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-38-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 133 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-39-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 134 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-40-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 135 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-43-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1001 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-44-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1002 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-45-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1003 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-46-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1004 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-47-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1005 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-48-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1006 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-49-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1007 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-50-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1008 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-51-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1009 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-52-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1011 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-53-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1012 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-54-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1013 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-55-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1014 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-56-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1015 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-57-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1016 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-58-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1017 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-59-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1018 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-60-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1019 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-61-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1020 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-62-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1021 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-63-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1022 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-64-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1023 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-65-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1024 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-66-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1025 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-67-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1026 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-68-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1027 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-69-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1028 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-70-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1029 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-71-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1030 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-72-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2001 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-73-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2002 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-74-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2003 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-75-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2004 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-76-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2005 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-77-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2006 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-78-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2007 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-79-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2008 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-80-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2009 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-81-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2010 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-82-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2011 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-83-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2012 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-84-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2013 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-85-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2014 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-86-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2015 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-87-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2016 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-88-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2017 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-89-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2018 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-90-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2019 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-91-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2020 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-92-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2021 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-93-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2022 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-94-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2023 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-95-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2025 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-96-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2026 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-97-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2027 WITH PRESSURE/VACUUM VALVE:

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-98-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2028 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-99-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2029 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-100-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2030 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-101-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2031 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-102-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2032 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-103-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2033 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-104-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2034 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-105-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2039 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-106-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2040 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-107-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2041 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-108-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2042 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-109-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2043 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-110-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2044 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-111-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2045 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-112-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2047 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-113-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2048 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-114-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2049 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-115-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3001 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-116-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3002 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-117-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3003 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-118-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3004 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-119-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3005 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-120-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3006 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-121-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3007 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-122-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3008 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-123-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3009 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-124-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3010 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-125-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
3011 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-126-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

324,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3012 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-127-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3013 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-128-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3014 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-129-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3015 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-130-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3016 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-131-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3017 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-132-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3018 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-133-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3019 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-134-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3020 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-135-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3021 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-136-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3022 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-137-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3023 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-138-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3024 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-139-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3025 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-140-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3026 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-141-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3027 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-142-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3028 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-143-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3029 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-144-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3030 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-145-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3031 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-146-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3032 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-147-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3033 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-148-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3034 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-149-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3035 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-150-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3036 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-151-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3037 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-152-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3038 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-153-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3039 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-154-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3040 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-155-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3041 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-156-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3042 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-157-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3043 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-158-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3044 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-159-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3045 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-160-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3046 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-161-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3047 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-162-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3048 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-163-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3049 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-164-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3050 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-165-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3051 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-166-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3052 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-167-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3053 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-168-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3054 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-169-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3055 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-170-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3056 WITH PRESSURE/VACUUM VALVE:

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-171-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3057 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-172-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3058 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-173-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3059 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-174-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3060 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-175-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3061 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-176-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3062 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-177-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3063 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-178-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3064 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-179-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3065 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-180-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3066 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-181-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3067 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-182-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3068 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-183-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3070 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-184-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3072 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-185-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3074 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-186-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3076 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-187-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3077 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-188-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3078 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-189-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3079 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-190-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6013 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-191-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6014 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-192-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6015 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-193-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6019 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-194-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6020 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-195-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6021 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-196-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6022 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-197-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6023 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-198-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK
6024 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-199-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7202 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-200-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7207 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-201-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7201 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-202-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7206 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-203-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 205)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-204-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 206)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-205-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 207)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-206-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 208)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-207-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 209)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-208-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 210)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-209-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 211)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-210-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 212)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-211-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 213)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-212-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 214)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-213-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 215)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-214-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 216)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-215-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 217)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-216-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 218)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-217-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 219)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-218-4

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 220)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-235-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:
WINERY WASTEWATER COLLECTION SUMP

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-236-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 236)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-237-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 235)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-238-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 441)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-239-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 442)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-240-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 443)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-241-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 444)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-242-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 445)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$ [District Rule]
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-243-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 446)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-244-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 447)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-245-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 448)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-246-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 449)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-247-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 450)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-248-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 451)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-249-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 452)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-250-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2046)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-251-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2050)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-252-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2051)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-253-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2052)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-254-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2207)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-255-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2208)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-256-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2203)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-257-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2204)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-258-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2205)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-259-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2206)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-260-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2201)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-261-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2202)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-262-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3206)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-263-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3203)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-264-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3204)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-265-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3205)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-266-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3201)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-267-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3202)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-268-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7203)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-269-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7209)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-270-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7204)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-271-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7208)
WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of total annual fermentation and total annual storage emissions, including calculation methods and parameters used, shall be maintained. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-272-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

44,929 GALLON CONCRETE RED AND WHITE WINE FERMENTATION AND STORAGE TANK 95 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201]
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201]
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-273-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

44,929 GALLON CONCRETE RED AND WHITE WINE FERMENTATION AND STORAGE TANK 96 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201]
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-274-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,867 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1010 WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1] Federally Enforceable Through Title V Permit
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-275-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9000

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When this tank is used for wine storage, the tank shall be insulated (or placed indoors in a climate controlled building or equivalent). [District Rule 2201] Federally Enforceable Through Title V Permit
5. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed four times the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]
12. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total annual VOC emissions from wine storage operations shall be determined as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-276-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9001

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When this tank is used for wine storage, the tank shall be insulated (or placed indoors in a climate controlled building or equivalent). [District Rule 2201] Federally Enforceable Through Title V Permit
5. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed four times the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]
12. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total annual VOC emissions from wine storage operations shall be determined as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-277-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9002

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When this tank is used for wine storage, the tank shall be insulated (or placed indoors in a climate controlled building or equivalent). [District Rule 2201] Federally Enforceable Through Title V Permit
5. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed four times the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]
12. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total annual VOC emissions from wine storage operations shall be determined as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-278-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9003

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When this tank is used for wine storage, the tank shall be insulated (or placed indoors in a climate controlled building or equivalent). [District Rule 2201] Federally Enforceable Through Title V Permit
5. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed four times the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
10. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2]
12. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
15. Total annual VOC emissions from wine storage operations shall be determined as the sum of the emissions for each individual wine movement based on the volume transferred in each wine movement and the batch-specific wine storage emission factor calculated using the equation(s) specified within this permit. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-279-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1201 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-280-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1202 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-281-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1203 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-282-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1204 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed twice the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-283-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3207 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-284-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3208 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-285-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3209 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-286-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3210 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-287-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3211 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-288-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3212 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-289-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3213 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-290-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3214 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-291-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3215 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-292-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3216 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-293-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3217 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-294-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3218 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-295-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3219 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-296-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3220 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-297-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3221 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-298-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3222 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-299-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3223 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-300-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3224 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-301-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3225 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-302-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3226 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-303-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3227 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-304-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3228 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-305-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3229 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-306-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3230 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-307-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 7205 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-308-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

700,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 7210 WITH P/V VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District NSR Rule] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District NSR Rule and 4694, 5.2.1] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District NSR Rule and 4694, 5.2.2] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District NSR Rule] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694, 6.4.1]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District NSR Rule and 1070] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule, 1070, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-309-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

7,528 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 1)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-310-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

7,528 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 2)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-311-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

5,071 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 3)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-312-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

2,853 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 4)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-313-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

13,504 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 5)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-314-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

13,504 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 6)

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-315-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

127,781 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 7) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-316-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

54,639 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 8) WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-317-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

54,639 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 9) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-956-318-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

106,274 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 10) WITH PRESSURE/VACUUM VALVE

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-319-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3301 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-320-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3302 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-321-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3303 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-322-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3304 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-323-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3305 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-324-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3306 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-325-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3080 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-326-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3081 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-327-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3401 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-328-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3402 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-329-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3403 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-330-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3404 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-331-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3405 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-332-1

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3406 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. The daily VOC emissions rate for red wine fermentation shall not exceed 3.46 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The daily VOC emissions rate for white wine fermentation shall not exceed 1.62 lb/1000 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The average fermentation temperature of each batch of must fermented in this tank shall not exceed 95 degrees Fahrenheit, calculated as the average of all temperature measurements for the batch taken at least every 12 hours over the course of the fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
4. When used for wine storage, this tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
5. When this tank is used for wine storage, the pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
6. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
7. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the daily tank throughput, in gallons, shall not exceed the maximum nominal tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
9. For each batch of must fermented in this tank, the operator shall record the fermentation completion date, the total gallons of must fermented, the average fermentation temperature and uncontrolled fermentation emissions and fermentation emission reductions (calculated per the emission factors given in District Rule 4694). The information shall be recorded by the tank Permit to Operate number and by wine type, stated as either red wine or white wine. [District Rule 4694]
10. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. When this tank is used for wine storage, daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month average basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records of the 12-month rolling average total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201, and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-333-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

128,157 GALLON INSULATED STAINLESS STEEL WINE AND DISTILLED SPIRITS STORAGE TANK #301 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
2. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 4694, 5.2.2] Federally Enforceable Through Title V Permit
4. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The ethanol content of distilled spirits stored in this tank shall not exceed 98.0 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Daily tank throughput, in gallons, shall not exceed two times the tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The maximum spirits storage throughput for tanks listed under permit N-956-333 and N-956-334, calculated on a 12-month rolling basis, shall not exceed 1,200,000 gallons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit
9. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine/spirits transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
14. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling distilled spirits storage throughput shall be maintained and updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-334-2

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

60,361 GALLON INSULATED STAINLESS STEEL WINE AND DISTILLED SPIRITS STORAGE TANK #302 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
2. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 days after completing fermentation, and shall maintain records to show when the required storage temperature of 75 degrees Fahrenheit or less was achieved. [District Rule 4694, 5.2.2] Federally Enforceable Through Title V Permit
4. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The ethanol content of distilled spirits stored in this tank shall not exceed 98.0 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Daily tank throughput, in gallons, shall not exceed two times the tank capacity stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The maximum spirits storage throughput for tanks listed under permit N-956-333 and N-956-334, calculated on a 12-month rolling basis, shall not exceed 1,200,000 gallons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. When this tank is used for wine storage, the operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694, 6.4.2] Federally Enforceable Through Title V Permit
9. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine/spirits transferred, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 lb. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
12. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
14. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling distilled spirits storage throughput shall be maintained and updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-335-0

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-1 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-336-0

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-2 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-337-0

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-3 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-338-0

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-4 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-339-0

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-5 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-340-0

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-6 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-341-0

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-7 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-956-342-0

EXPIRATION DATE: 09/30/2020

EQUIPMENT DESCRIPTION:

61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-8 WITH PRESSURE/VACUUM VALVE AND INSULATION

PERMIT UNIT REQUIREMENTS

1. This tank shall be used exclusively for wine storage operations only and not for fermentation. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum allowable working pressure of the tank, operate in accordance with the manufacturer's instructions, and be permanently labeled with the operating pressure settings. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
3. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve set pressure. A gas-tight condition shall be determined by measuring the gas leak in accordance with the procedures in EPA Method 21. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
4. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. [District Rule 2201 and 4694] Federally Enforceable Through Title V Permit
5. The ethanol content of wine stored in this tank shall not exceed 23.9 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The maximum daily wine storage throughput in this tank shall not exceed twice the nominal capacity of this tank stated in the equipment description. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total annual VOC emissions from the storage tanks listed under permits N-956-335 through N-956-350, calculated on a rolling 12-month total basis, shall not exceed 21,808 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total annual VOC emissions from all wine fermentation and wine storage operations at this facility, calculated on a rolling 12-month total basis, shall not exceed 581,212 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total annual VOC emissions from wine fermentation operations shall be determined by the following formula: Total annual VOC emissions = (Total Annual Red Wine Production - gallons) x (6.2 lb-VOC/1000 gallons) + (Total Annual White Wine Production - gallons) x (2.5 lb-VOC/1000 gallons). [District Rule 2201] Federally Enforceable Through Title V Permit
10. Total annual VOC emissions from wine storage operations may be determined using the total annual wine throughput and a single storage emissions factor based on the average ethanol content of the annual wine throughput; or using the throughputs for different batches of wine and batch-specific storage emissions factors based on the ethanol content of each batch. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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11. The annual VOC wine storage emission factor for each wine ethanol content shall be calculated using the following equation: $EF = a * P^2 + b * P + c$; where EF is the VOC emission factor in pounds of VOC per 1,000 gallons of wine throughput; and P is the volume percent ethanol of the wine being transferred. For concentrations up to and including 24 volume % (when the ethanol content of wine is 20 volume %, P is equivalent to 0.20), $a = -0.38194$, $b = 0.97917$ and $c = 0$. [District Rule 1070] Federally Enforceable Through Title V Permit
12. The operator shall record, on a weekly basis, the total gallons of wine contained in the tank and the maximum temperature of the stored wine. [District Rule 4694] Federally Enforceable Through Title V Permit
13. Daily throughput records, including records of filling and emptying operations, the dates of such operations, a unique identifier for each batch, the volume percent ethanol in the batch, and the volume of wine transferred, shall be maintained. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the VOC emissions from the wine storage operation in pounds from the tanks under permits N-956-335 through N-956-350 for the rolling 12-month period including calculation methods and parameters used. The VOC emissions shall be calculated by summing the VOC emissions from the previous 12 months from each tank. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of the 12-month rolling total fermentation and total storage emissions, including calculation methods and parameters used, shall be maintained and updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
16. Separate annual records of total red wine and total white wine produced by fermentation at this facility, based on values reported to the Alcohol and Tobacco Tax and Trade Bureau (TTB), U.S. Department of the Treasury, shall be maintained. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
17. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 1070, 2201 and 4694] Federally Enforceable Through Title V Permit

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ATTACHMENT C

Equipment Listing

Detailed Facility Report
For Facility=956 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

THE WINE GROUP, INC. 17000 E HIGHWAY 120 RIPON, CA 95366	FAC # STATUS: TELEPHONE:	N 956 A 2095994111	TYPE: TOXIC ID:	TitleV 21419	EXPIRE ON: AREA: INSP. DATE:	09/30/2020 3 / 05/21
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-6-6	17.5 MMBtu/hr burner	3020-02 H	1	1,238.00	1,238.00	A	17.5 MMBTU/HR HURST SERIES 400 PROPANE-FIRED BOILER WITH AN ALZETA MODEL CSB252 ULTRA LOW NOX BURNER AND INDUCED FLUE GAS RECIRCULATION SYSTEM
N-956-8-2	240 bhp	3020-10 C	1	290.00	290.00	A	240 BHP CUMMINS MODEL N-855-F (S/N 99486) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP
N-956-9-2	270 bhp	3020-10 C	1	290.00	290.00	A	270 BHP CUMMINS MODEL 6CTA8.3-F2 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP
N-956-11-4	15,000 gallon storage	3020-05 B	1	113.00	113.00	A	15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK B1 WITH PRESSURE/VACUUM VALVE
N-956-12-4	15,000 gallon storage	3020-05 B	1	113.00	113.00	A	15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK B2 WITH PRESSURE/VACUUM VALVE
N-956-13-4	10,000 gallon storage	3020-05 B	1	113.00	113.00	A	10,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 24 WITH PRESSURE/VACUUM VALVE
N-956-14-4	10,000 gallon storage	3020-05 B	1	113.00	113.00	A	10,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 39 WITH PRESSURE/VACUUM VALVE
N-956-15-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 44 WITH PRESSURE/VACUUM VALVE
N-956-16-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 45 WITH PRESSURE/VACUUM VALVE
N-956-17-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 46 WITH PRESSURE/VACUUM VALVE
N-956-18-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 47 WITH PRESSURE/VACUUM VALVE
N-956-19-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 48 WITH PRESSURE/VACUUM VALVE
N-956-20-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 49 WITH PRESSURE/VACUUM VALVE

Detailed Facility Report
For Facility=956 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-21-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 50 WITH PRESSURE/VACUUM VALVE
N-956-22-4	30,000 gallon storage	3020-05 C	1	165.00	165.00	A	30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 51 WITH PRESSURE/VACUUM VALVE
N-956-23-4	30,000 gallon storage	3020-05 C	1	165.00	165.00	A	30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 52 WITH PRESSURE/VACUUM VALVE
N-956-24-4	30,000 gallon storage	3020-05 C	1	165.00	165.00	A	30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 53 WITH PRESSURE/VACUUM VALVE
N-956-25-4	30,000 gallon storage	3020-05 C	1	165.00	165.00	A	30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 54 WITH PRESSURE/VACUUM VALVE
N-956-26-4	20,000 gallon storage	3020-05 C	1	165.00	165.00	A	20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 55 WITH PRESSURE/VACUUM VALVE
N-956-27-4	60,000 gallon storage	3020-05 D	1	223.00	223.00	A	60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 56 WITH PRESSURE/VACUUM VALVE
N-956-28-4	60,000 gallon storage	3020-05 D	1	223.00	223.00	A	60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 57 WITH PRESSURE/VACUUM VALVE
N-956-29-4	60,000 gallon storage	3020-05 D	1	223.00	223.00	A	60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 58 WITH PRESSURE/VACUUM VALVE
N-956-30-4	60,000 gallon storage	3020-05 D	1	223.00	223.00	A	60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 59 WITH PRESSURE/VACUUM VALVE
N-956-31-4	60,000 gallon storage	3020-05 D	1	223.00	223.00	A	60,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 60 WITH PRESSURE/VACUUM VALVE
N-956-32-4	12,000 gallon storage	3020-05 B	1	113.00	113.00	A	12,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 62 WITH PRESSURE/VACUUM VALVE
N-956-33-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 116 WITH PRESSURE/VACUUM VALVE
N-956-34-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 117 WITH PRESSURE/VACUUM VALVE

Detailed Facility Report
For Facility=956 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-35-4	120,000 gallon storage	3020-05 E	1	296.00	296.00	A	120,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 118 WITH PRESSURE/VACUUM VALVE
N-956-36-4	15,000 gallon storage	3020-05 B	1	113.00	113.00	A	15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 131 WITH PRESSURE/VACUUM VALVE
N-956-37-4	15,000 gallon storage	3020-05 B	1	113.00	113.00	A	15,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 132 WITH PRESSURE/VACUUM VALVE
N-956-38-4	30,000 gallon storage	3020-05 C	1	165.00	165.00	A	30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 133 WITH PRESSURE/VACUUM VALVE
N-956-39-4	30,000 gallon storage	3020-05 C	1	165.00	165.00	A	30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 134 WITH PRESSURE/VACUUM VALVE
N-956-40-4	30,000 gallon storage	3020-05 C	1	165.00	165.00	A	30,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 135 WITH PRESSURE/VACUUM VALVE
N-956-43-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1001 WITH PRESSURE/VACUUM VALVE
N-956-44-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1002 WITH PRESSURE/VACUUM VALVE
N-956-45-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1003 WITH PRESSURE/VACUUM VALVE
N-956-46-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1004 WITH PRESSURE/VACUUM VALVE
N-956-47-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1005 WITH PRESSURE/VACUUM VALVE
N-956-48-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1006 WITH PRESSURE/VACUUM VALVE
N-956-49-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1007 WITH PRESSURE/VACUUM VALVE
N-956-50-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1008 WITH PRESSURE/VACUUM VALVE

Detailed Facility Report
For Facility=956 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-51-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1009 WITH PRESSURE/VACUUM VALVE
N-956-52-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1011 WITH PRESSURE/VACUUM VALVE
N-956-53-4	105,000 gallon storage	3020-05 E	1	296.00	296.00	A	105,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1012 WITH PRESSURE/VACUUM VALVE
N-956-54-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1013 WITH PRESSURE/VACUUM VALVE
N-956-55-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1014 WITH PRESSURE/VACUUM VALVE
N-956-56-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1015 WITH PRESSURE/VACUUM VALVE
N-956-57-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1016 WITH PRESSURE/VACUUM VALVE
N-956-58-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1017 WITH PRESSURE/VACUUM VALVE
N-956-59-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1018 WITH PRESSURE/VACUUM VALVE
N-956-60-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1019 WITH PRESSURE/VACUUM VALVE
N-956-61-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1020 WITH PRESSURE/VACUUM VALVE
N-956-62-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1021 WITH PRESSURE/VACUUM VALVE
N-956-63-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1022 WITH PRESSURE/VACUUM VALVE
N-956-64-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1023 WITH PRESSURE/VACUUM VALVE

Detailed Facility Report
For Facility=956 and excluding Deleted Permits
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-65-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1024 WITH PRESSURE/VACUUM VALVE
N-956-66-4	106,000 gallon storage	3020-05 E	1	296.00	296.00	A	106,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1025 WITH PRESSURE/VACUUM VALVE
N-956-67-4	103,000 gallon storage	3020-05 E	1	296.00	296.00	A	103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1026 WITH PRESSURE/VACUUM VALVE
N-956-68-4	103,000 gallon storage	3020-05 E	1	296.00	296.00	A	103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1027 WITH PRESSURE/VACUUM VALVE
N-956-69-4	103,000 gallon storage	3020-05 E	1	296.00	296.00	A	103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1028 WITH PRESSURE/VACUUM VALVE
N-956-70-4	103,000 gallon storage	3020-05 E	1	296.00	296.00	A	103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1029 WITH PRESSURE/VACUUM VALVE
N-956-71-4	103,000 gallon storage	3020-05 E	1	296.00	296.00	A	103,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1030 WITH PRESSURE/VACUUM VALVE
N-956-72-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2001 WITH PRESSURE/VACUUM VALVE
N-956-73-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2002 WITH PRESSURE/VACUUM VALVE
N-956-74-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2003 WITH PRESSURE/VACUUM VALVE
N-956-75-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2004 WITH PRESSURE/VACUUM VALVE
N-956-76-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2005 WITH PRESSURE/VACUUM VALVE
N-956-77-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2006 WITH PRESSURE/VACUUM VALVE
N-956-78-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2007 WITH PRESSURE/VACUUM VALVE

Detailed Facility Report
For Facility=956 and excluding Deleted Permits
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-79-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2008 WITH PRESSURE/VACUUM VALVE
N-956-80-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2009 WITH PRESSURE/VACUUM VALVE
N-956-81-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2010 WITH PRESSURE/VACUUM VALVE
N-956-82-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2011 WITH PRESSURE/VACUUM VALVE
N-956-83-4	218,000 gallon storage	3020-05 E	1	296.00	296.00	A	218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2012 WITH PRESSURE/VACUUM VALVE
N-956-84-4	218,000 gallon storage	3020-05 E	1	296.00	296.00	A	218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2013 WITH PRESSURE/VACUUM VALVE
N-956-85-4	218,000 gallon storage	3020-05 E	1	296.00	296.00	A	218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2014 WITH PRESSURE/VACUUM VALVE
N-956-86-4	218,000 gallon storage	3020-05 E	1	296.00	296.00	A	218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2015 WITH PRESSURE/VACUUM VALVE
N-956-87-4	218,000 gallon storage	3020-05 E	1	296.00	296.00	A	218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2016 WITH PRESSURE/VACUUM VALVE
N-956-88-4	218,000 gallon storage	3020-05 E	1	296.00	296.00	A	218,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2017 WITH PRESSURE/VACUUM VALVE
N-956-89-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2018 WITH PRESSURE/VACUUM VALVE
N-956-90-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2019 WITH PRESSURE/VACUUM VALVE
N-956-91-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2020 WITH PRESSURE/VACUUM VALVE
N-956-92-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2021 WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-93-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2022 WITH PRESSURE/VACUUM VALVE
N-956-94-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2023 WITH PRESSURE/VACUUM VALVE
N-956-95-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2025 WITH PRESSURE/VACUUM VALVE
N-956-96-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2026 WITH PRESSURE/VACUUM VALVE
N-956-97-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2027 WITH PRESSURE/VACUUM VALVE:
N-956-98-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2028 WITH PRESSURE/VACUUM VALVE
N-956-99-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2029 WITH PRESSURE/VACUUM VALVE
N-956-100-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2030 WITH PRESSURE/VACUUM VALVE
N-956-101-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2031 WITH PRESSURE/VACUUM VALVE
N-956-102-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2032 WITH PRESSURE/VACUUM VALVE
N-956-103-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2033 WITH PRESSURE/VACUUM VALVE
N-956-104-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2034 WITH PRESSURE/VACUUM VALVE
N-956-105-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2039 WITH PRESSURE/VACUUM VALVE
N-956-106-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2040 WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-107-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2041 WITH PRESSURE/VACUUM VALVE
N-956-108-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2042 WITH PRESSURE/VACUUM VALVE
N-956-109-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2043 WITH PRESSURE/VACUUM VALVE
N-956-110-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2044 WITH PRESSURE/VACUUM VALVE
N-956-111-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2045 WITH PRESSURE/VACUUM VALVE
N-956-112-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2047 WITH PRESSURE/VACUUM VALVE
N-956-113-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2048 WITH PRESSURE/VACUUM VALVE
N-956-114-4	217,000 gallon storage	3020-05 E	1	296.00	296.00	A	217,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 2049 WITH PRESSURE/VACUUM VALVE
N-956-115-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3001 WITH PRESSURE/VACUUM VALVE
N-956-116-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3002 WITH PRESSURE/VACUUM VALVE
N-956-117-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3003 WITH PRESSURE/VACUUM VALVE
N-956-118-4	323,000 gallon storage	3020-05 E	1	296.00	296.00	A	323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3004 WITH PRESSURE/VACUUM VALVE
N-956-119-4	323,000 gallon storage	3020-05 E	1	296.00	296.00	A	323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3005 WITH PRESSURE/VACUUM VALVE
N-956-120-4	323,000 gallon storage	3020-05 E	1	296.00	296.00	A	323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3006 WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-121-4	323,000 gallon storage	3020-05 E	1	296.00	296.00	A	323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3007 WITH PRESSURE/VACUUM VALVE
N-956-122-4	323,000 gallon storage	3020-05 E	1	296.00	296.00	A	323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3008 WITH PRESSURE/VACUUM VALVE
N-956-123-4	323,000 gallon storage	3020-05 E	1	296.00	296.00	A	323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3009 WITH PRESSURE/VACUUM VALVE
N-956-124-4	323,000 gallon storage	3020-05 E	1	296.00	296.00	A	323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3010 WITH PRESSURE/VACUUM VALVE
N-956-125-4	323,000 gallon storage	3020-05 E	1	296.00	296.00	A	323,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3011 WITH PRESSURE/VACUUM VALVE
N-956-126-4	324,000 gallon storage	3020-05 E	1	296.00	296.00	A	324,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3012 WITH PRESSURE/VACUUM VALVE
N-956-127-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3013 WITH PRESSURE/VACUUM VALVE
N-956-128-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3014 WITH PRESSURE/VACUUM VALVE
N-956-129-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3015 WITH PRESSURE/VACUUM VALVE
N-956-130-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3016 WITH PRESSURE/VACUUM VALVE
N-956-131-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3017 WITH PRESSURE/VACUUM VALVE
N-956-132-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3018 WITH PRESSURE/VACUUM VALVE
N-956-133-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3019 WITH PRESSURE/VACUUM VALVE
N-956-134-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3020 WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-135-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3021 WITH PRESSURE/VACUUM VALVE
N-956-136-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3022 WITH PRESSURE/VACUUM VALVE
N-956-137-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3023 WITH PRESSURE/VACUUM VALVE
N-956-138-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3024 WITH PRESSURE/VACUUM VALVE
N-956-139-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3025 WITH PRESSURE/VACUUM VALVE
N-956-140-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3026 WITH PRESSURE/VACUUM VALVE
N-956-141-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3027 WITH PRESSURE/VACUUM VALVE
N-956-142-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3028 WITH PRESSURE/VACUUM VALVE
N-956-143-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3029 WITH PRESSURE/VACUUM VALVE
N-956-144-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3030 WITH PRESSURE/VACUUM VALVE
N-956-145-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3031 WITH PRESSURE/VACUUM VALVE
N-956-146-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3032 WITH PRESSURE/VACUUM VALVE
N-956-147-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3033 WITH PRESSURE/VACUUM VALVE
N-956-148-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3034 WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-149-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3035 WITH PRESSURE/VACUUM VALVE
N-956-150-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3036 WITH PRESSURE/VACUUM VALVE
N-956-151-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3037 WITH PRESSURE/VACUUM VALVE
N-956-152-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3038 WITH PRESSURE/VACUUM VALVE
N-956-153-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3039 WITH PRESSURE/VACUUM VALVE
N-956-154-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3040 WITH PRESSURE/VACUUM VALVE
N-956-155-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3041 WITH PRESSURE/VACUUM VALVE
N-956-156-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3042 WITH PRESSURE/VACUUM VALVE
N-956-157-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3043 WITH PRESSURE/VACUUM VALVE
N-956-158-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3044 WITH PRESSURE/VACUUM VALVE
N-956-159-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3045 WITH PRESSURE/VACUUM VALVE
N-956-160-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3046 WITH PRESSURE/VACUUM VALVE
N-956-161-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3047 WITH PRESSURE/VACUUM VALVE
N-956-162-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3048 WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-163-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3049 WITH PRESSURE/VACUUM VALVE
N-956-164-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3050 WITH PRESSURE/VACUUM VALVE
N-956-165-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3051 WITH PRESSURE/VACUUM VALVE
N-956-166-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3052 WITH PRESSURE/VACUUM VALVE
N-956-167-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3053 WITH PRESSURE/VACUUM VALVE
N-956-168-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3054 WITH PRESSURE/VACUUM VALVE
N-956-169-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3055 WITH PRESSURE/VACUUM VALVE
N-956-170-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3056 WITH PRESSURE/VACUUM VALVE:
N-956-171-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3057 WITH PRESSURE/VACUUM VALVE
N-956-172-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3058 WITH PRESSURE/VACUUM VALVE
N-956-173-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3059 WITH PRESSURE/VACUUM VALVE
N-956-174-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3060 WITH PRESSURE/VACUUM VALVE
N-956-175-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3061 WITH PRESSURE/VACUUM VALVE
N-956-176-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3062 WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-177-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3063 WITH PRESSURE/VACUUM VALVE
N-956-178-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3064 WITH PRESSURE/VACUUM VALVE
N-956-179-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3065 WITH PRESSURE/VACUUM VALVE
N-956-180-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3066 WITH PRESSURE/VACUUM VALVE
N-956-181-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3067 WITH PRESSURE/VACUUM VALVE
N-956-182-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3068 WITH PRESSURE/VACUUM VALVE
N-956-183-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3070 WITH PRESSURE/VACUUM VALVE
N-956-184-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3072 WITH PRESSURE/VACUUM VALVE
N-956-185-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3074 WITH PRESSURE/VACUUM VALVE
N-956-186-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3076 WITH PRESSURE/VACUUM VALVE
N-956-187-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3077 WITH PRESSURE/VACUUM VALVE
N-956-188-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3078 WITH PRESSURE/VACUUM VALVE
N-956-189-4	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 3079 WITH PRESSURE/VACUUM VALVE
N-956-190-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6013 WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-191-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6014 WITH PRESSURE/VACUUM VALVE
N-956-192-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6015 WITH PRESSURE/VACUUM VALVE
N-956-193-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6019 WITH PRESSURE/VACUUM VALVE
N-956-194-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6020 WITH PRESSURE/VACUUM VALVE
N-956-195-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6021 WITH PRESSURE/VACUUM VALVE
N-956-196-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6022 WITH PRESSURE/VACUUM VALVE
N-956-197-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6023 WITH PRESSURE/VACUUM VALVE
N-956-198-4	650,000 gallon storage	3020-05 F	1	362.00	362.00	A	650,000 GALLON MILD STEEL WITH EPOXY LINING RED AND WHITE WINE FERMENTATION AND STORAGE TANK 6024 WITH PRESSURE/VACUUM VALVE
N-956-199-4	705,000 gallon storage	3020-05 F	1	362.00	362.00	A	705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7202 WITH PRESSURE/VACUUM VALVE
N-956-200-4	705,000 gallon storage	3020-05 F	1	362.00	362.00	A	705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7207 WITH PRESSURE/VACUUM VALVE
N-956-201-4	705,000 gallon storage	3020-05 F	1	362.00	362.00	A	705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7201 WITH PRESSURE/VACUUM VALVE
N-956-202-4	705,000 gallon storage	3020-05 F	1	362.00	362.00	A	705,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 7206 WITH PRESSURE/VACUUM VALVE
N-956-203-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 205) WITH PRESSURE/VACUUM VALVE
N-956-204-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 206) WITH PRESSURE/VACUUM VALVE

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N-956-205-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 207) WITH PRESSURE/VACUUM VALVE
N-956-206-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 208) WITH PRESSURE/VACUUM VALVE
N-956-207-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 209) WITH PRESSURE/VACUUM VALVE
N-956-208-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 210) WITH PRESSURE/VACUUM VALVE
N-956-209-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 211) WITH PRESSURE/VACUUM VALVE
N-956-210-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 212) WITH PRESSURE/VACUUM VALVE
N-956-211-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 213) WITH PRESSURE/VACUUM VALVE
N-956-212-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 214) WITH PRESSURE/VACUUM VALVE
N-956-213-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 215) WITH PRESSURE/VACUUM VALVE
N-956-214-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 216) WITH PRESSURE/VACUUM VALVE
N-956-215-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 217) WITH PRESSURE/VACUUM VALVE
N-956-216-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 218) WITH PRESSURE/VACUUM VALVE
N-956-217-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 219) WITH PRESSURE/VACUUM VALVE
N-956-218-4	19,500 gallon storage	3020-05 B	1	113.00	113.00	A	19,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 220) WITH PRESSURE/VACUUM VALVE

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N-956-235-1	160 hp	3020-01 D	1	379.00	379.00	A	WINERY WASTEWATER COLLECTION SUMP
N-956-236-2	20,000 gallon storage	3020-05 C	1	165.00	165.00	A	20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 236) WITH PRESSURE/VACUUM VALVE
N-956-237-2	20,000 gallon storage	3020-05 C	1	165.00	165.00	A	20,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 235) WITH PRESSURE/VACUUM VALVE
N-956-238-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 441) WITH PRESSURE/VACUUM VALVE
N-956-239-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 442) WITH PRESSURE/VACUUM VALVE
N-956-240-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 443) WITH PRESSURE/VACUUM VALVE
N-956-241-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 444) WITH PRESSURE/VACUUM VALVE
N-956-242-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 445) WITH PRESSURE/VACUUM VALVE
N-956-243-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 446) WITH PRESSURE/VACUUM VALVE
N-956-244-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 447) WITH PRESSURE/VACUUM VALVE
N-956-245-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 448) WITH PRESSURE/VACUUM VALVE
N-956-246-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 449) WITH PRESSURE/VACUUM VALVE
N-956-247-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 450) WITH PRESSURE/VACUUM VALVE
N-956-248-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 451) WITH PRESSURE/VACUUM VALVE

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N-956-249-2	14,000 gallon storage	3020-05 B	1	113.00	113.00	A	14,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 452) WITH PRESSURE/VACUUM VALVE
N-956-250-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2046) WITH PRESSURE/VACUUM VALVE
N-956-251-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2050) WITH PRESSURE/VACUUM VALVE
N-956-252-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2051) WITH PRESSURE/VACUUM VALVE
N-956-253-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2052) WITH PRESSURE/VACUUM VALVE
N-956-254-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2207) WITH PRESSURE/VACUUM VALVE
N-956-255-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2208) WITH PRESSURE/VACUUM VALVE
N-956-256-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2203) WITH PRESSURE/VACUUM VALVE
N-956-257-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2204) WITH PRESSURE/VACUUM VALVE
N-956-258-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2205) WITH PRESSURE/VACUUM VALVE
N-956-259-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2206) WITH PRESSURE/VACUUM VALVE
N-956-260-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2201) WITH PRESSURE/VACUUM VALVE
N-956-261-1	215,000 gallon storage	3020-05 E	1	296.00	296.00	A	215,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 2202) WITH PRESSURE/VACUUM VALVE
N-956-262-1	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3206) WITH PRESSURE/VACUUM VALVE

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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-263-1	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3203) WITH PRESSURE/VACUUM VALVE
N-956-264-1	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3204) WITH PRESSURE/VACUUM VALVE
N-956-265-1	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3205) WITH PRESSURE/VACUUM VALVE
N-956-266-1	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3201) WITH PRESSURE/VACUUM VALVE
N-956-267-1	350,000 gallon storage	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 3202) WITH PRESSURE/VACUUM VALVE
N-956-268-1	700,000 gallon storage	3020-05 F	1	362.00	362.00	A	700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7203) WITH PRESSURE/VACUUM VALVE
N-956-269-1	700,000 gallon storage	3020-05 F	1	362.00	362.00	A	700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7209) WITH PRESSURE/VACUUM VALVE
N-956-270-1	700,000 gallon storage	3020-05 F	1	362.00	362.00	A	700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7204) WITH PRESSURE/VACUUM VALVE
N-956-271-1	700,000 gallon storage	3020-05 F	1	362.00	362.00	A	700,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK (TANK 7208) WITH PRESSURE/VACUUM VALVE
N-956-272-2	44,929 gal	3020-05 C	1	165.00	165.00	A	44,929 GALLON CONCRETE RED AND WHITE WINE FERMENTATION AND STORAGE TANK 95 WITH PRESSURE/VACUUM VALVE
N-956-273-2	44,929 gal	3020-05 C	1	165.00	165.00	A	44,929 GALLON CONCRETE RED AND WHITE WINE FERMENTATION AND STORAGE TANK 96 WITH PRESSURE/VACUUM VALVE
N-956-274-2	106,867 gal	3020-05 E	1	296.00	296.00	A	106,867 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK 1010 WITH PRESSURE/VACUUM VALVE
N-956-275-1	3,500 gallon	3020-05 A	1	91.00	91.00	A	3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9000
N-956-276-1	3,500 gallon	3020-05 A	1	91.00	91.00	A	3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9001
N-956-277-1	3,500 gallon	3020-05 A	1	91.00	91.00	A	3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9002

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N-956-278-1	3,500 gallon	3020-05 A	1	91.00	91.00	A	3,500 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #9003
N-956-279-1	100,000 gallons	3020-05 E	1	296.00	296.00	A	100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1201 WITH P/V VALVE AND INSULATION
N-956-280-1	100,000 gallons	3020-05 E	1	296.00	296.00	A	100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1202 WITH P/V VALVE AND INSULATION
N-956-281-1	100,000 gallons	3020-05 E	1	296.00	296.00	A	100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1203 WITH P/V VALVE AND INSULATION
N-956-282-1	100,000 gallons	3020-05 E	1	296.00	296.00	A	100,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 1204 WITH P/V VALVE AND INSULATION
N-956-283-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3207 WITH P/V VALVE AND INSULATION
N-956-284-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3208 WITH P/V VALVE AND INSULATION
N-956-285-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3209 WITH P/V VALVE AND INSULATION
N-956-286-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3210 WITH P/V VALVE AND INSULATION
N-956-287-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3211 WITH P/V VALVE AND INSULATION
N-956-288-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3212 WITH P/V VALVE AND INSULATION
N-956-289-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3213 WITH P/V VALVE AND INSULATION
N-956-290-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3214 WITH P/V VALVE AND INSULATION
N-956-291-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3215 WITH P/V VALVE AND INSULATION
N-956-292-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3216 WITH P/V VALVE AND INSULATION
N-956-293-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3217 WITH P/V VALVE AND INSULATION
N-956-294-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3218 WITH P/V VALVE AND INSULATION
N-956-295-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3219 WITH P/V VALVE AND INSULATION

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N-956-296-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3220 WITH P/V VALVE AND INSULATION
N-956-297-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3221 WITH P/V VALVE AND INSULATION
N-956-298-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3222 WITH P/V VALVE AND INSULATION
N-956-299-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3223 WITH P/V VALVE AND INSULATION
N-956-300-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3224 WITH P/V VALVE AND INSULATION
N-956-301-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3225 WITH P/V VALVE AND INSULATION
N-956-302-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3226 WITH P/V VALVE AND INSULATION
N-956-303-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3227 WITH P/V VALVE AND INSULATION
N-956-304-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3228 WITH P/V VALVE AND INSULATION
N-956-305-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3229 WITH P/V VALVE AND INSULATION
N-956-306-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 3230 WITH P/V VALVE AND INSULATION
N-956-307-1	700,000 gallons	3020-05 F	1	362.00	362.00	A	700,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 7205 WITH P/V VALVE AND INSULATION
N-956-308-1	700,000 gallons	3020-05 F	1	362.00	362.00	A	700,000 GALLON STEEL WINE FERMENTATION/STORAGE TANK 7210 WITH P/V VALVE AND INSULATION
N-956-309-2	7,528 gallons	3020-05 B	1	113.00	113.00	A	7,528 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 1)
N-956-310-2	7,528 gallons	3020-05 B	1	113.00	113.00	A	7,528 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 2)
N-956-311-2	5,071 gallons	3020-05 B	1	113.00	113.00	A	5,071 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 3)
N-956-312-2	2,853 gallons	3020-05 A	1	91.00	91.00	A	2,853 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 4)
N-956-313-2	13,504 gallons	3020-05 B	1	113.00	113.00	A	13,504 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 5)
N-956-314-2	13,504 gallons	3020-05 B	1	113.00	113.00	A	13,504 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 6)
N-956-315-2	127,781 gallons	3020-05 E	1	296.00	296.00	A	127,781 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 7) WITH PRESSURE/VACUUM VALVE

Detailed Facility Report
For Facility=956 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-316-2	54,639 gallons	3020-05 D	1	223.00	223.00	A	54,639 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 8) WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-317-2	54,639 gallons	3020-05 D	1	223.00	223.00	A	54,639 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 9) WITH PRESSURE/VACUUM VALVE
N-956-318-2	106,274 gallons	3020-05 E	1	296.00	296.00	A	106,274 GALLON DISTILLED SPIRITS STORAGE TANK (TANK 10) WITH PRESSURE/VACUUM VALVE
N-956-319-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3301 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-320-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3302 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-321-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3303 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-322-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3304 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-323-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3305 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-324-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3306 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-325-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3080 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-326-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3081 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-327-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3401 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-328-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3402 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-329-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3403 WITH PRESSURE/VACUUM VALVE AND INSULATION

Detailed Facility Report
For Facility=956 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-956-330-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3404 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-331-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3405 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-332-1	350,000 gallons	3020-05 E	1	296.00	296.00	A	350,000 GALLON STAINLESS STEEL RED AND WHITE WINE FERMENTATION AND STORAGE TANK #3406 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-333-2	128,157 gallons	3020-05 E	1	296.00	296.00	A	128,157 GALLON INSULATED STAINLESS STEEL WINE AND DISTILLED SPIRITS STORAGE TANK #301 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-334-2	60,361 gallons	3020-05 D	1	223.00	223.00	A	60,361 GALLON INSULATED STAINLESS STEEL WINE AND DISTILLED SPIRITS STORAGE TANK #302 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-335-0	60,247.7 gallons	3020-05 D	1	223.00	223.00	A	61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-1 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-336-0	60,247.7 gallons	3020-05 D	1	223.00	223.00	A	61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-2 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-337-0	60,247.7 gallons	3020-05 D	1	223.00	223.00	A	61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-3 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-338-0	60,247.7 gallons	3020-05 D	1	223.00	223.00	A	61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-4 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-339-0	60,247.7 gallons	3020-05 D	1	223.00	223.00	A	61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-5 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-340-0	60,247.7 gallons	3020-05 D	1	223.00	223.00	A	61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-6 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-341-0	60,247.7 gallons	3020-05 D	1	223.00	223.00	A	61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-7 WITH PRESSURE/VACUUM VALVE AND INSULATION
N-956-342-0	60,247.7 gallons	3020-05 D	1	223.00	223.00	A	61,000 GALLON NOMINAL (60,247.7 GALLON GAUGE) STAINLESS STEEL WINE STORAGE TANK 2017-8 WITH PRESSURE/VACUUM VALVE AND INSULATION

Number of Facilities Reported: 1