



September 21, 2021

Ms. Andrea Vasquez **Delicato Vineyards** 12001 S Highway 99 Manteca, CA 95336

Re: **Notice of Final Action - Significant Title V Permit Modification** 

Facility Number: N-266 **Project Number: N-1204545** 

Dear Ms. Vasquez:

The Air Pollution Control Officer has modified the Title V permit for Delicato Vineyards at 12001 S Highway 99, Manteca incorporating N-266-958-0 through -965-0. This project authorizes the installation of 8 wine storage tanks.

Enclosed is the modified Title V permit. The application and proposal were sent to CARB and US EPA Region IX on August 9, 2021 and August 6, 2021, respectively. No comments were received following the District's preliminary decision on this project.

The notice of final decision has been posted on the District's website (www.valleyair.org).

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** 

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

> Samir Sheikh **Executive Director/Air Pollution Control Officer**





Facility # N-266 **DELICATO VINEYARDS** 12001 S HIGHWAY 99 MANTECA, CA 95336

# **AUTHORITY TO CONSTRUCT (ATC)**

# **QUICK START GUIDE**

- 1. Pay Invoice: Please pay enclosed invoice before due date.
- 2. Modify Your Title V Permit. Prior to operating the equipment authorized under this ATC, submit an application to modify your Title V permit. See application forms at http://www.valleyair.org/permits/TVforms.
- 3. Fully Understand ATC: Make sure you understand ALL conditions in the ATC prior to construction, modification and/or operation.
- 4. Follow ATC: You must construct, modify and/or operate your equipment as specified on the ATC. Any unspecified changes may require a new ATC.
- 5. **Notify District**: You must notify the District's Compliance Department, at the telephone numbers below, upon start-up and/or operation under the ATC. Please record the date construction or modification commenced and the date the equipment began operation under the ATC. You may NOT operate your equipment until you have notified the District's Compliance Department. A startup inspection may be required prior to receiving your Permit to Operate.
- 6. Source Test: Schedule and perform any required source testing. See http://www.valleyair.org/busind/comply/source testing.htm for source testing resources.
- 7. **Maintain Records**: Maintain all records required by ATC. Records are reviewed during every inspection (or upon request) and must be retained for at least 5 years. Sample record keeping forms can be found at http://www.valleyair.org/busind/comply/compliance\_forms.htm.

By operating in compliance, you are doing your part to improve air quality for all Valley residents.

For assistance, please contact District Compliance staff at any of the telephone numbers listed below.

> Samir Sheikh Executive Director/Air Pollution Control Officer

**Northern Region** 4800 Enterprise Way Modesto, CA 95356-8718 Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office) 1990 E. Gettysburg Avenue Fresno, CA 93726-0244 Tel: (559) 230-6000 FAX: (559) 230-6061

**Southern Region** 34946 Flyover Court Bakersfield, CA 93308-9725 Tel: (661) 392-5500 FAX: (661) 392-5585





**PERMIT NO:** N-266-958-0 **ISSUANCE DATE:** 09/21/2021

**LEGAL OWNER OR OPERATOR:** DELICATO VINEYARDS **MAILING ADDRESS:** DELICATO VINEYARDS 12001 S HIGHWAY 99

MANTECA, CA 95336

LOCATION: 12001 S HIGHWAY 99

MANTECA, CA 95336

### **EQUIPMENT DESCRIPTION:**

350,000 GALLON NOMINAL STAINLESS STEEL RED AND WHITE WINE STORAGE TANK WITH A PRESSURE/VACUUM VALVE AND INSULATION

## CONDITIONS

- 1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
- 2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
- 3. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter 183 lb, 2nd quarter 184 lb, 3rd quarter 184 lb, and fourth quarter 184 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 8/15/19) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
- 4. ERC Certificate Number C-1521-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct [District Rule 2201] Federally Enforceable Through Title V Permit

### CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services
N-266-958-0: Sep 21 2021 2:49PM - GARCIAJ : Joint Inspection NOT Required

- 5. The nominal tank dimensions are 39.08 feet in diameter and 43 feet in height with a proposed volume of 350,000 gallons. The permittee shall submit to the District the gauge volume of the tank within 30 days of the actual tank capacity measurement. [District Rule 2201] Federally Enforceable Through Title V Permit
- 6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
- 7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 8. No wine fermentation shall occur in this tank. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
- 9. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum 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
- 10. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve 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
- 11. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 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
- 12. The ethanol content of wine stored in this tank shall not exceed 20 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
- 13. The maximum storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
- 14. Total annual VOC emissions from this wine storage tank shall not exceed 490 lb/year, calculated on a twelve (12) month rolling basis. This tank is not permitted under the facility-wide Specific Limiting Condition for wine fermentation and storage operations. VOC emissions from this tank shall not be counted against the facility's Specific Limiting Condition for total annual VOC emissions from its wine fermentation and storage operations. [District Rule 2201] Federally Enforceable Through Title V Permit
- 15. Total annual VOC emissions from wine storage operations shall be determined either 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; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [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, P is the volume percent ethanol of the wine being transferred, a = -0.38194, b = 0.97917 and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit
- 17. On a monthly basis, the permittee shall calculate and record the VOC emissions, in pounds, from this tank 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. [District Rule 2201] Federally Enforceable Through Title V Permit
- 18. The operator shall record, 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

- 19. Daily and annual throughput records, including records of filling and emptying operations, the dates of such 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
- 20. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
- 21. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
- 22. 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





**PERMIT NO:** N-266-959-0 **ISSUANCE DATE:** 09/21/2021

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MANTECA, CA 95336

**LOCATION:** 12001 S HIGHWAY 99

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Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services
N-266-959-0: Sep 21 2021 2:49PM - GARCIAJ : Joint Inspection NOT Required

- 5. The nominal tank dimensions are 39.08 feet in diameter and 43 feet in height with a proposed volume of 350,000 gallons. The permittee shall submit to the District the gauge volume of the tank within 30 days of the actual tank capacity measurement. [District Rule 2201] Federally Enforceable Through Title V Permit
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- 7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 8. No wine fermentation shall occur in this tank. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
- 9. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum 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
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**PERMIT NO:** N-266-960-0 **ISSUANCE DATE:** 09/21/2021

**LEGAL OWNER OR OPERATOR:** DELICATO VINEYARDS **MAILING ADDRESS:** DELICATO VINEYARDS 12001 S HIGHWAY 99

MANTECA, CA 95336

LOCATION: 12001 S HIGHWAY 99

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Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services
N-266-960-0: Sep 21 2021 2:49PM - GARCIAJ : Joint Inspection NOT Required

- 5. The nominal tank dimensions are 39.08 feet in diameter and 43 feet in height with a proposed volume of 350,000 gallons. The permittee shall submit to the District the gauge volume of the tank within 30 days of the actual tank capacity measurement. [District Rule 2201] Federally Enforceable Through Title V Permit
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- 22. 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





**PERMIT NO:** N-266-961-0 **ISSUANCE DATE:** 09/21/2021

**LEGAL OWNER OR OPERATOR:** DELICATO VINEYARDS **MAILING ADDRESS:** DELICATO VINEYARDS 12001 S HIGHWAY 99

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- 8. No wine fermentation shall occur in this tank. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
- 9. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum 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
- 10. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve 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
- 11. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 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
- 12. The ethanol content of wine stored in this tank shall not exceed 20 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
- 13. The maximum storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
- 14. Total annual VOC emissions from this wine storage tank shall not exceed 490 lb/year, calculated on a twelve (12) month rolling basis. This tank is not permitted under the facility-wide Specific Limiting Condition for wine fermentation and storage operations. VOC emissions from this tank shall not be counted against the facility's Specific Limiting Condition for total annual VOC emissions from its wine fermentation and storage operations. [District Rule 2201] Federally Enforceable Through Title V Permit
- 15. Total annual VOC emissions from wine storage operations shall be determined either 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; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [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, P is the volume percent ethanol of the wine being transferred, a = -0.38194, b = 0.97917 and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit
- 17. On a monthly basis, the permittee shall calculate and record the VOC emissions, in pounds, from this tank 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. [District Rule 2201] Federally Enforceable Through Title V Permit
- 18. The operator shall record, 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

- 19. Daily and annual throughput records, including records of filling and emptying operations, the dates of such 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
- 20. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
- 21. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
- 22. 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





**PERMIT NO:** N-266-962-0 **ISSUANCE DATE:** 09/21/2021

**LEGAL OWNER OR OPERATOR:** DELICATO VINEYARDS **MAILING ADDRESS:** DELICATO VINEYARDS 12001 S HIGHWAY 99

MANTECA, CA 95336

**LOCATION:** 12001 S HIGHWAY 99

MANTECA, CA 95336

### **EQUIPMENT DESCRIPTION:**

350,000 GALLON NOMINAL STAINLESS STEEL RED AND WHITE WINE STORAGE TANK WITH A PRESSURE/VACUUM VALVE AND INSULATION

## CONDITIONS

- 1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
- 2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
- 3. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter 183 lb, 2nd quarter 184 lb, 3rd quarter 184 lb, and fourth quarter 184 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 8/15/19) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
- 4. ERC Certificate Number C-1521-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct [District Rule 2201] Federally Enforceable Through Title V Permit

### CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services
N-266-962-0: Sep 21 2021 2:49PM - GARCIAJ : Joint Inspection NOT Required

- 5. The nominal tank dimensions are 39.08 feet in diameter and 43 feet in height with a proposed volume of 350,000 gallons. The permittee shall submit to the District the gauge volume of the tank within 30 days of the actual tank capacity measurement. [District Rule 2201] Federally Enforceable Through Title V Permit
- 6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
- 7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 8. No wine fermentation shall occur in this tank. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
- 9. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum 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
- 10. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve 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
- 11. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 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
- 12. The ethanol content of wine stored in this tank shall not exceed 20 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
- 13. The maximum storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
- 14. Total annual VOC emissions from this wine storage tank shall not exceed 490 lb/year, calculated on a twelve (12) month rolling basis. This tank is not permitted under the facility-wide Specific Limiting Condition for wine fermentation and storage operations. VOC emissions from this tank shall not be counted against the facility's Specific Limiting Condition for total annual VOC emissions from its wine fermentation and storage operations. [District Rule 2201] Federally Enforceable Through Title V Permit
- 15. Total annual VOC emissions from wine storage operations shall be determined either 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; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [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, P is the volume percent ethanol of the wine being transferred, a = -0.38194, b = 0.97917 and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit
- 17. On a monthly basis, the permittee shall calculate and record the VOC emissions, in pounds, from this tank 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. [District Rule 2201] Federally Enforceable Through Title V Permit
- 18. The operator shall record, 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

- 19. Daily and annual throughput records, including records of filling and emptying operations, the dates of such 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
- 20. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
- 21. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
- 22. 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





**PERMIT NO:** N-266-963-0 **ISSUANCE DATE:** 09/21/2021

**LEGAL OWNER OR OPERATOR:** DELICATO VINEYARDS **MAILING ADDRESS:** DELICATO VINEYARDS 12001 S HIGHWAY 99

MANTECA, CA 95336

LOCATION: 12001 S HIGHWAY 99

MANTECA, CA 95336

### **EQUIPMENT DESCRIPTION:**

350,000 GALLON NOMINAL STAINLESS STEEL RED AND WHITE WINE STORAGE TANK WITH A PRESSURE/VACUUM VALVE AND INSULATION

## **CONDITIONS**

- 1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
- 2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
- 3. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter 183 lb, 2nd quarter 184 lb, 3rd quarter 184 lb, and fourth quarter 184 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 8/15/19) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
- 4. ERC Certificate Number C-1521-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct [District Rule 2201] Federally Enforceable Through Title V Permit

### CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services
N-266-963-0: Sep 21 2021 2:49PM – GARCIAJ : Joint Inspection NOT Required

- 5. The nominal tank dimensions are 39.08 feet in diameter and 43 feet in height with a proposed volume of 350,000 gallons. The permittee shall submit to the District the gauge volume of the tank within 30 days of the actual tank capacity measurement. [District Rule 2201] Federally Enforceable Through Title V Permit
- 6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
- 7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 8. No wine fermentation shall occur in this tank. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
- 9. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum 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
- 10. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve 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
- 11. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 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
- 12. The ethanol content of wine stored in this tank shall not exceed 20 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
- 13. The maximum storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
- 14. Total annual VOC emissions from this wine storage tank shall not exceed 490 lb/year, calculated on a twelve (12) month rolling basis. This tank is not permitted under the facility-wide Specific Limiting Condition for wine fermentation and storage operations. VOC emissions from this tank shall not be counted against the facility's Specific Limiting Condition for total annual VOC emissions from its wine fermentation and storage operations. [District Rule 2201] Federally Enforceable Through Title V Permit
- 15. Total annual VOC emissions from wine storage operations shall be determined either 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; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [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, P is the volume percent ethanol of the wine being transferred, a = -0.38194, b = 0.97917 and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit
- 17. On a monthly basis, the permittee shall calculate and record the VOC emissions, in pounds, from this tank 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. [District Rule 2201] Federally Enforceable Through Title V Permit
- 18. The operator shall record, 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

- 19. Daily and annual throughput records, including records of filling and emptying operations, the dates of such 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
- 20. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
- 21. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
- 22. 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





**PERMIT NO:** N-266-964-0 **ISSUANCE DATE:** 09/21/2021

**LEGAL OWNER OR OPERATOR:** DELICATO VINEYARDS **MAILING ADDRESS:** DELICATO VINEYARDS 12001 S HIGHWAY 99

MANTECA, CA 95336

**LOCATION:** 12001 S HIGHWAY 99

MANTECA, CA 95336

### **EQUIPMENT DESCRIPTION:**

350,000 GALLON NOMINAL STAINLESS STEEL RED AND WHITE WINE STORAGE TANK WITH A PRESSURE/VACUUM VALVE AND INSULATION

## CONDITIONS

- 1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
- 2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
- 3. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter 183 lb, 2nd quarter 184 lb, 3rd quarter 184 lb, and fourth quarter 184 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 8/15/19) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
- 4. ERC Certificate Number C-1521-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct [District Rule 2201] Federally Enforceable Through Title V Permit

### CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services
N-266-964-0: Sep 21 2021 2:49PM - GARCIAJ : Joint Inspection NOT Required

- 5. The nominal tank dimensions are 39.08 feet in diameter and 43 feet in height with a proposed volume of 350,000 gallons. The permittee shall submit to the District the gauge volume of the tank within 30 days of the actual tank capacity measurement. [District Rule 2201] Federally Enforceable Through Title V Permit
- 6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
- 7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 8. No wine fermentation shall occur in this tank. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
- 9. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum 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
- 10. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve 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
- 11. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 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
- 12. The ethanol content of wine stored in this tank shall not exceed 20 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
- 13. The maximum storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
- 14. Total annual VOC emissions from this wine storage tank shall not exceed 490 lb/year, calculated on a twelve (12) month rolling basis. This tank is not permitted under the facility-wide Specific Limiting Condition for wine fermentation and storage operations. VOC emissions from this tank shall not be counted against the facility's Specific Limiting Condition for total annual VOC emissions from its wine fermentation and storage operations. [District Rule 2201] Federally Enforceable Through Title V Permit
- 15. Total annual VOC emissions from wine storage operations shall be determined either 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; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [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, P is the volume percent ethanol of the wine being transferred, a = -0.38194, b = 0.97917 and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit
- 17. On a monthly basis, the permittee shall calculate and record the VOC emissions, in pounds, from this tank 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. [District Rule 2201] Federally Enforceable Through Title V Permit
- 18. The operator shall record, 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

- 19. Daily and annual throughput records, including records of filling and emptying operations, the dates of such 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
- 20. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
- 21. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
- 22. 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





**PERMIT NO:** N-266-965-0 **ISSUANCE DATE:** 09/21/2021

**LEGAL OWNER OR OPERATOR:** DELICATO VINEYARDS **MAILING ADDRESS:** DELICATO VINEYARDS 12001 S HIGHWAY 99

MANTECA, CA 95336

LOCATION: 12001 S HIGHWAY 99

MANTECA, CA 95336

### **EQUIPMENT DESCRIPTION:**

350,000 GALLON NOMINAL STAINLESS STEEL RED AND WHITE WINE STORAGE TANK WITH A PRESSURE/VACUUM VALVE AND INSULATION

## CONDITIONS

- 1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
- 2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
- 3. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter 183 lb, 2nd quarter 184 lb, 3rd quarter 184 lb, and fourth quarter 184 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 8/15/19) for the ERC specified below. [District Rule 2201] Federally Enforceable Through Title V Permit
- 4. ERC Certificate Number C-1521-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct [District Rule 2201] Federally Enforceable Through Title V Permit

### CONDITIONS CONTINUE ON NEXT PAGE

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Samir Sheikh, Executive Director / APCO

Brian Clements, Director of Permit Services
N-266-965-0: Sep 21 2021 2:49PM - GARCIAJ : Joint Inspection NOT Required

- 5. The nominal tank dimensions are 39.08 feet in diameter and 43 feet in height with a proposed volume of 350,000 gallons. The permittee shall submit to the District the gauge volume of the tank within 30 days of the actual tank capacity measurement. [District Rule 2201] Federally Enforceable Through Title V Permit
- 6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
- 7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
- 8. No wine fermentation shall occur in this tank. [District Rules 2201 and 4694] Federally Enforceable Through Title V Permit
- 9. This tank shall be equipped with and operated with a pressure-vacuum relief valve, which shall operate within 10% of the maximum 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
- 10. The pressure-vacuum relief valve and storage tank shall remain in a gas-tight condition, except when the operating pressure of the tank exceeds the valve 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
- 11. The temperature of the wine stored in this tank shall be maintained at or below 75 degrees Fahrenheit. The temperature of the stored wine shall be determined and recorded at least once per week. For each batch of wine, the operator shall achieve the storage temperature of 75 degrees Fahrenheit or less within 60 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
- 12. The ethanol content of wine stored in this tank shall not exceed 20 percent by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
- 13. The maximum storage throughput in this tank shall not exceed 350,000 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
- 14. Total annual VOC emissions from this wine storage tank shall not exceed 490 lb/year, calculated on a twelve (12) month rolling basis. This tank is not permitted under the facility-wide Specific Limiting Condition for wine fermentation and storage operations. VOC emissions from this tank shall not be counted against the facility's Specific Limiting Condition for total annual VOC emissions from its wine fermentation and storage operations. [District Rule 2201] Federally Enforceable Through Title V Permit
- 15. Total annual VOC emissions from wine storage operations shall be determined either 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; or as the emissions for total annual wine movements and a single storage emissions factor, calculated using the equation(s) specified within this permit, based on the average ethanol content of the total annual wine movements. [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, P is the volume percent ethanol of the wine being transferred, a = -0.38194, b = 0.97917 and c = 0. [District Rule 2201] Federally Enforceable Through Title V Permit
- 17. On a monthly basis, the permittee shall calculate and record the VOC emissions, in pounds, from this tank 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. [District Rule 2201] Federally Enforceable Through Title V Permit
- 18. The operator shall record, 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

- 19. Daily and annual throughput records, including records of filling and emptying operations, the dates of such 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
- 20. If the emissions calculated for any rolling 12-month period exceed the annual emissions limitations of this permit, in a crush season in which the start of the crush season (defined as the day on which the facility's seasonal crushing/fermentation operations commence) occurs less than 365 days after the start of the previous crush season, then no violation of the annual emissions limit for that rolling 12-month period will be deemed to have occurred so long as the calendar year emissions are below the annual emissions limitation. [District Rule 2201] Federally Enforceable Through Title V Permit
- 21. Records shall be maintained that demonstrate the date of each year's start of crush season. [District Rule 2201] Federally Enforceable Through Title V Permit
- 22. 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