

March 29, 2023

Mr. Keith Pronske
CES Mendota BECSS Plant
PO Box 99
Mendota, CA 93640

Re: Notice of Preliminary Decision – Title V Permit Renewal
Facility Number: C-85
Project Number: C-1211496

Dear Mr. Pronske:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for CES Mendota BECSS Plant at 400 Guillen Parkway, Mendota, 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. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,



Brian Clements
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email
cc: Gerardo Rios, EPA (w/enclosure) via EPS

Samir Sheikh
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95358-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1890 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-8000 FAX: (559) 230-8061

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

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

Proposed Title V Permit Renewal Evaluation CES Mendota BECCS Plant C-825

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TITLE V PERMIT RENEWAL EVALUATION

Biomass Power Generation

Engineer: Zeferino Aleman
Date: March 29, 2023

Facility Number: C-825
Facility Name: CES Mendota BECCS Plant
Mailing Address: PO Box 99
Mendota, CA 93640

Contact Name: Keith Pronske
Phone: (559) 638-7967

Responsible Official: Keith Pronske
Title: President and CEO

Project # : C-1211496
Deemed Complete: August 17, 2022

I. PROPOSAL

CES Mendota BECCS Plant was issued their last renewed Title V permit on July, 31, 2017. As required by District Rule 2520, the applicant is requesting a permit renewal. CES Mendota BECCS Plant submitted an application to renew their Title V permit on May 12, 2021, which was within the timeframe required by Section 5.2 of District Rule 2520. Therefore, all terms and conditions of the Title V permit shall remain in effect until the renewal permit has been issued pursuant to Section 8.3 of District Rule 2520. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the previous Title V permit 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

CES Mendota BECCS Plant is located at 400 Guillen Parkway in Mendota, CA.

III. EQUIPMENT LISTING

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

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant does not propose to use any model general permit templates.

V. SCOPE OF EPA AND PUBLIC REVIEW

The applicant is not requesting any model general permit templates. Therefore, all federally enforceable conditions in this current Title V permit will be subject to EPA and public review.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated or Evaluated

- District Rule 2201, New and Modified Stationary Source Review Rule (amended February 18, 2016 ⇒ amended August 15, 2019)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001 ⇒ amended August 15, 2019)
- District Rule 4352, Solid Fuel Fired Boilers, Steam Generators and Process Heaters (amended December 15, 2011 ⇒ amended December 16, 2021)¹
- District Rule 4601, Architectural Coatings (amended December 17, 2009 ⇒ amended April 16, 2020)
- District Rule 4702, Internal Combustion Engines (amended November 14, 2013 ⇒ amended August 19, 2021)²
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (October 22, 1997)

¹ District Rule 4352 was amended on December 16, 2021, however the amended rule is not SIP-Approved by EPA; therefore, conditions 17, 27, 19-21, 24-26, and 51-54 for permit unit C-825-5 are still valid.

² District Rule 4702 was amended on August 19, 2021, however the amended rule is not SIP-Approved by EPA; therefore, conditions 4, 5, 11-15, and 24 for permit unit C-825-1 and conditions 4, 10-14, and 23 for permit unit C-825-8 are both still valid.

- 40 CFR Part 68, Chemical Accident Prevention Provisions (amended December 19, 2019)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended June 18, 2008 ⇒ amended May 6, 2021)³
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended December 27, 2017 ⇒ amended May 6, 2021)³

B. Rules Added/Removed

- Fresno County Rule 110, Equipment Breakdown (SIP approved 8/22/1977 ⇒ District resolution to rescind from SIP 2/17/2022)
- Kern County Rule 111, Equipment Breakdown (SIP approved 10/24/1980 ⇒ District resolution to rescind from SIP 2/17/2022)
- Kings County Rule 111, Equipment Breakdown (SIP approved, last amended 6/18/1982 ⇒ District resolution to rescind from SIP 2/17/2022)
- Madera County Rule 113, Equipment Breakdown (SIP approved 11/18/1983 ⇒ District resolution to rescind from SIP 2/17/2022)
- Stanislaus County Rule 110, Equipment Breakdown (SIP approved 6/1/1983 ⇒ District resolution to rescind from SIP 2/17/2022)
- Tulare County Rule 111, Equipment Breakdown (SIP approved 8/22/1977 ⇒ District resolution to rescind from SIP 2/17/2022)

C. Rules Not Updated

- District Rule 1020, Definitions (amended February 21, 2013)
- 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 1160, Emission Statements (amended November 18, 1992)

³ These subparts were amended since last renewal TV permit was issued. However, the amendments to these subparts do not have any effect on existing permit requirements as addressed by condition 27 and 28 of permit unit C-825-0-5 on the draft renewed permit.

- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2020, Exemptions (amended December 18, 2014)
- 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 4621, Gasoline Transfer Into Stationary Storage Containers Delivery Vessels, and Bulk Plant (amended December 19, 2013)
- District Rule 4622, Gasoline Transfer Into Motor Vehicle Fuel Tanks (amended December 19, 2013)
- District Rule 4701, Internal Combustion Engines – Phase 1 (amended August 21, 2003)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992) (Non SIP replacement for Madera County Rule 404)
- 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 Area (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 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (amended February 16, 2012)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)
- 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended January 30, 2013)
- 17 CCR 93115, California Code of Regulations Title 17 – Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines (amended May 19, 2011)

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 Permits. 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 are not federally enforceable and will not be discussed in further detail:

A. Rules Added/Updated

No rules were added/updated since the last Title V permit renewal.

B. Rules Not Updated

- District Rule 1100, Equipment Breakdown (amended December 17, 1992) (Non SIP replacement for Fresno County Rule 110, which the District requested to be rescinded from the SIP on February 17, 2022)

District Rule 1100 defines a breakdown condition and the procedures to follow if one occurs. The corrective action, the issuance of an emergency variance, and the reporting requirements are also specified.

District Rule 1100 was last amended on December 17, 1992 and is not included in the SIP; however, the requirements of District Rule 1100 were previously federally enforceable through Fresno County Rule 110. Fresno County Rule 110 was adopted on May 22, 1978 and incorporated into the SIP on October 23, 1980.

On January 12, 2022, EPA issued an updated SIP call directing state and local agencies to remove rules governing emissions associated with startup, shutdown, and malfunction events from their SIPs. The EPA SIP call included a timeline to address this issue, which was effective February 11, 2022. In accordance with the EPA SIP call, on February 17, 2022, the District approved the submittal of a formal request to EPA and the California Air Resources Board (ARB) to withdraw the following Equipment Breakdown rules from the San Joaquin Valley's SIP: Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111.

As a result of the District's formal request to remove Fresno County Rule 110 from the SIP, conditions 1 and 2 of the proposed requirements of the facility-wide permit C-825-0-5, which reference District Rule 1100 and were federally enforceable through Fresno County Rule 110, are no longer federally enforceable. Condition 11 of the proposed requirements of the facility-wide permit C-825-0-5, which requires reporting of deviations from permit conditions and references District Rules 1100 and 2520, remains federally enforceable through District Rule 2520.

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

Permit Unit #	Permit Description	Condition #s
C-825-0-5	Facility-Wide Permit	1 & 2

As discussed above, the following condition is based on this rule and other federally enforceable requirements. Therefore, the condition is federally enforceable, but is not federally enforceable through this rule:

Permit Unit #	Permit Description	Condition #
C-825-0-5	Facility-Wide Permit	11

- District Rule 4102, Nuisance (amended December 17, 1992)

The purpose of this rule is to protect the health and safety of the public. This rule stipulates that a person shall not 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 conditions are based solely on this rule and are therefore not federally enforceable through Title V.

Permit Unit #	Permit Description	Condition #s
C-825-0-5	Facility-Wide Permit	39
C-825-5-21	30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NOx System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo each controlled with a DCE Dalamatic model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units	8

- District Rule 7012, Hexavalent Chromium – Cooling Towers (amended December 17, 1992)

The purpose of this rule is to limit emissions of hexavalent chromium from circulating water in cooling towers and to prohibit the use or sale of products containing these compounds for treating cooling tower water. Recordkeeping and monitoring requirements and test methods for determining emission concentration limits are also specified. The requirements of this rule apply to any person who owns or operates or who plans to build, own, or operate a

cooling tower in the San Joaquin Valley Air District in which the circulating water is exposed to the atmosphere.

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

Permit Unit #	Permit Description	Condition #
C-825-11-6	20,769 GPM Cooling Tower with Two Cells and a Drift Eliminator	8

- 17 CCR 93115, Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines (amended February 26, 2004)

The purpose of this airborne toxic control measure (ATCM) is to reduce diesel particulate matter (PM) and criteria pollutant emissions from stationary diesel-fueled compression ignition (CI) engines. Recordkeeping and monitoring requirements for determining emission concentration limits are also specified. The requirements of this rule apply to any person who owns or operates a stationary CI engine in California with a rated brake horsepower greater than 50 (>50 bhp).

The following condition is based on this rule and other federally enforceable requirements. Therefore, the condition is federally enforceable, but it is not federally enforceable through this requirement.

Permit Unit #	Permit Description	Condition #
C-825-1-5	890 bhp diesel-fired emergency IC engine	3, 4, 5, 15, 23, 24
C-825-8-5	245 bhp diesel-fired emergency IC engine	3, 4, 10, 13, 22, 23

VIII. PERMIT REQUIREMENTS

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will only address rules that have been amended or added since the issuance of the initial Title V permit or most recent renewal of the Title V permit.

A. Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 – Equipment Breakdown

In accordance with EPA’s State Implementation Plan (SIP) Call, on February 17, 2022, the District rescinded Fresno County Rule 110, Kern County Rule

111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 from the San Joaquin Valley SIP. Therefore, proposed conditions 1 and 2 on permit C-825-0-5 are no longer Federally Enforceable.

B. District Rule 2201 - New and Modified Stationary Source Review Rule (NSR)

District Rule 2201 has been amended since this facility's initial Title V permit was issued. 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.

C. District Rule 2520 - Federally Mandated Operating Permits

District Rule 2520 has been amended since this facility's last Title V permit renewal. However, the amendment to this rule applies to the District's noticing policy and does not apply to the facility's existing permits.

Greenhouse Gas Discussion

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.

D. District Rule 4601 - Architectural Coatings

District Rule 4601 was last amended on April 16, 2020. EPA approved District Rule 4601 as amended on April 16, 2020 for inclusion in the SIP on December 14, 2022.

The purpose of this rule is to limit VOC emissions from architectural coatings. This rule specifies architectural coatings storage, cleanup, and labeling requirements. This rule is applicable to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating. This rule is applicable to any person who supplies, markets, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating for use within the San Joaquin Valley Air Pollution Control District.

As required by a September 2016 decision by the U.S. Court of Appeals for the Ninth Circuit in *Bahr v. U.S. Environmental Protection Agency*,⁴ the April 16, 2020 amendments to District Rule 4601 added a contingency measure for the District's 2016 Ozone Plan that would remove the exemption for specific categories of coatings sold in small containers with a volume of one liter or less if EPA issues a finding that the San Joaquin Valley Air Basin has failed to attain, or to make reasonable further progress towards attainment of, the 2008 National Ambient Air Quality Standard (NAAQS) for ozone. The April 16, 2020 amendments to District Rule 4601 implemented provisions of the 2019 California Air Resources Board (ARB) Suggested Control Measure for Architectural Coatings,⁵ including lowering VOC limits for several categories of architectural coatings, setting VOC limits for three new categories of architectural coatings, and adding new requirements for colorants.

The primary effect of the April 16, 2020 amendments to District Rule 4601 was reducing VOC content limits required for specific categories of coatings and adding VOC content limits for specific categories of colorants. The previous VOC content limits of District Rule 4601 and the VOC content limits of coatings and colorants that became effective on and after January 1, 2022 are summarized below.

Section 5.1 - VOC Content Limits:

Except as provided in Sections 5.2 and 5.3, no person shall: manufacture, blend, or repackage for use within the District; or supply, sell, market or offer for sale within the District; or solicit for application or apply within the District any architectural coating or colorant with a VOC content in excess of the corresponding limit specified in Table 1 or Table 2, after the specified effective date in Table 1 or Table 2. Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

Rule 4601, Table 1 - VOC Content Limits for Coatings¹		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
Flat Coatings	50	50
Nonflat Coatings	100	50
Specialty Coatings	-	-
Aluminum Roof Coatings	400	100

⁴ United States Court of Appeals for the Ninth Circuit (September 12, 2016) *Bahr v. U.S. Environmental Protection Agency*. <https://cdn.ca9.uscourts.gov/datastore/opinions/2016/09/12/14-72327.pdf>

⁵ California Air Resources Board (May 2019) California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings. https://ww2.arb.ca.gov/sites/default/files/2020-05/10602_scm_final.pdf

Rule 4601, Table 1 - VOC Content Limits for Coatings¹		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
Basement Specialty Coatings	400	400
Bituminous Roof Coatings	50	50
Bituminous Roof Primers	350	350
Bond Breakers	350	350
Building Envelope Coatings	-	50
Concrete Curing Compounds	350	350
Concrete/Masonry Sealers	100	100
Driveway Sealers	50	50
Dry Fog Coatings	150	50
Faux Finishing Coatings	350	350
Fire Resistive Coatings	350	150
Floor Coatings	100	50
Form-Release Compounds	250	100
Graphic Arts Coatings (Sign Paints)	500	500
High Temperature Coatings	420	420
Industrial Maintenance Coatings	250	250
Low Solids Coatings ²	120	120
Magnesite Cement Coatings	450	450
Mastic Texture Coatings	100	100
Metallic Pigmented Coatings	500	500
Multi-Color Coatings	250	250
Pre-Treatment Wash Primers	420	420
Primers, Sealers, and Undercoaters	100	100
Reactive Penetrating Sealers	350	350
Recycled Coatings	250	250
Roof Coatings	50	50
Rust Preventative Coatings	250	250
Shellacs:		
Clear	730	730
Opaque	550	550
Specialty Primers, Sealers, and Undercoaters	100	100
Stains	250	100
Interior Stains		250
Stone Consolidants	450	450
Swimming Pool Coatings	340	340
Tile and Stone Sealers		100
Traffic Marking Coatings	100	100
Tub and Tile Refinish Coatings	420	420
Waterproofing Membranes	250	100
Wood Coatings	275	275
Wood Preservatives	350	350
Zinc-Rich Primers	340	340

1. Limits are expressed as VOC Regulatory (except where noted otherwise), thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.
2. Units are grams of VOC per liter of coating, including water and exempt compounds, in accordance with Section 3.72.

Rule 4601, Table 2 VOC Content Limits for Colorants¹	
Colorants Added To	VOC Limit (g/l) Effective on and after 1/1/2022
Architectural Coatings, excluding Industrial Maintenance Coatings	50
Solvent Based Industrial Maintenance Coatings	600
Waterborne Industrial Maintenance Coatings	50
Wood Coatings	600

1. Limits are expressed as VOC Regulatory.

The following conditions of the proposed requirements of the facility-wide permit ensure compliance with this rule.

Permit Unit #	Permit Description	Condition #s
C-825-0-5	Facility-Wide Permit	23-25

E. 40 CFR Part 64 - Compliance Assurance Monitoring (CAM)

40 CFR Part 64 requires Compliance Assurance Monitoring 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 of greater than the major source thresholds.

Pollutant	Major Source Threshold (lb/year)
NO _x	20,000
SO _x	140,000
PM ₁₀	140,000
CO	200,000
VOC	20,000

a. C-825-1-5: 890 bhp Caterpillar Model 3412 (Tier 0 uncertified) Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator

This unit does not have any add-on controls; therefore, CAM is not applicable.

b. C-825-3-11: Fuel Receiving and Unloading Operation consisting of Two (2) Truck Tipplers, Storage Yard Operations, and Batch Transfer to the Fuel Receiving Hopper

The permit for this unit does not include any emission limits for NO_x, SO_x, CO, or VOC; therefore, the CAM requirements of 40 CFR 64 are not applicable for these pollutants.

Per the definition of *Control Device* in 40 CFR 64.1, “for purposes of this part, a control device does not include passive control measures that act to prevent pollutants from forming, such as the use of seals, lids, or roofs to prevent the release of pollutants, use of low-polluting fuel or feedstocks, or the use of combustion or other process design features or characteristics.”

The permit unit includes limits for PM₁₀ emissions and utilizes a water spray system to wet the biomass feedstock to prevent any surface dust from being released to the atmosphere, which is considered to be a passive control measure as discussed above. Since a passive control measure is not considered to be a control device, the unit is not subject to CAM for PM₁₀ emissions.

c. C-825-4-11: Biomass Fuel Handling, Processing, and Storage Operation with Enclosed Belt Conveyors and Transfer Points, Reclaimers, Hammer Hog, Hog Tower served by a Baghouse and a Fuel Feeder Surge Bin ducted to the Main Boiler Exhaust Plenum (C-825-5)

This unit has a baghouse for control of PM₁₀ emissions and a 64.8 lb-PM₁₀/day emission limit for PM₁₀ listed on the permit. The pre-control potential to emit for PM₁₀ emissions is 117.6 lb-PM₁₀/day (per project C-960797). The baghouse was assigned a control efficiency of 99%, but only some of the emissions units are controlled.

Annual pre-control PM₁₀ emissions per year = 117.6 lb-PM₁₀/day x 365 days/yr = 42,924 lb-PM₁₀/yr.

The Major Source threshold for PM₁₀ is 140,000 lb-PM₁₀/yr.

Since this unit does not have a pre-control potential to emit for PM₁₀ greater than the Major Source threshold for PM₁₀, CAM is not applicable to this unit.

- d. C-825-5-21: 30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NO_x System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo Each Controlled with a DCE Dalamatic Model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units

The permit for this unit includes emission limits for NO_x, SO_x, PM₁₀, CO, and VOC. This permit unit is not equipped with any add-on controls for CO, VOC, or SO_x emissions. Therefore, this permit unit is not subject to CAM for CO, VOC, or SO_x emissions.

The unit uses an ammonia injection system to control NO_x emissions, which is an add-on control. However, pursuant to 40 CFR 64.2(b)(1)(vi), this unit is not subject to CAM for NO_x emissions because the permit requirements specify a continuous compliance determination method in the form of a CEMS for NO_x.

The boiler utilizes a baghouse to control PM₁₀ emissions, which is an add-on control. Therefore, the unit is potentially subject to CAM for PM₁₀ emissions. The pre-controlled PM₁₀ emissions from the operation are calculated below.

Pre-Control Potential to Emit for PM₁₀

Maximum Annual Operating Schedule: 365 day/year (current permit)

Maximum Daily PM₁₀ Emissions: 340.1 lb-PM₁₀/day (current permit)

PM₁₀ Control Efficiency for Baghouse: 99% (District Assumption)

Annual PE for PM₁₀ = 340.1 lb-PM₁₀/day x 365 day/year = 124,137 lb-PM₁₀/year

Pre-Control Annual PE for PM₁₀ = (340.1 lb-PM₁₀/day x 365 day/year) ÷ (1 - 0.99) = 12,413,650 lb-PM₁₀/year

As shown above, the pre-control potential to emit for PM₁₀ from this permit unit exceeds the applicable major source threshold of 140,000 lb/year for PM₁₀. Therefore, this permit unit is subject to CAM for PM₁₀. The requirements included in the permit to address CAM for this unit are discussed below.

40 CFR Section 64.3 - Monitoring Design Criteria

This section specifies the design criteria for the CAM method.

Paragraph (a) (*General Criteria*) requires that the CAM method be designed to obtain data for one or more appropriate indicators of emission control system performance for the control device, any associated capture system and, if necessary, processes at a pollutant-specific emissions unit. Paragraph (a) also requires that the owner or operator shall establish appropriate range(s) or designated condition(s) for the selected indicator(s) such that operation within the ranges provides a reasonable assurance of ongoing compliance with emission limitations or standards for the anticipated range of operating conditions.

As discussed above, PM₁₀ emissions from the operation are controlled by a baghouse fabric filter. The differential pressure across the filters is a parameter that can be used to provide assurance that a baghouse is working properly. The differential pressure should be maintained in a specified range for proper operation of the baghouse. A differential pressure that is too low may indicate tears in the filters or that the filters are being bypassed. A differential pressure that is too high may indicate that the filters have become overloaded or blinded and need to be cleaned. Monitoring the differential pressure for fabric filters is included as an example of CAM in the EPA Technical Guidance Document: Compliance Assurance Monitoring, Revised Draft (August 1998) and Appendix B: CAM Illustrations, Revision 1, Review Draft to this document (January 2005).⁶

The following conditions of the proposed requirements for Permit C-825-5-21 satisfy the general design criteria of paragraph (a) by requiring that the baghouse be equipped with a differential pressure gauge that must be maintained in good working condition to measure filter bags and specifying the allowed differential pressure gauge reading range.

⁶ US EPA Office of Air Quality Planning and Standards (August 1998) Technical Guidance Document: Compliance Assurance Monitoring, Revised Draft. <https://www.epa.gov/sites/default/files/2016-05/documents/cam-tgd.pdf> and Appendix B: CAM Illustrations, Revision 1, Review Draft (January 2005). <https://www.epa.gov/sites/default/files/2016-05/documents/draftcamappb.pdf>

Permit Unit #	Permit Description	Condition #s
C-825-5-21	30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NOx System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo each controlled with a DCE Dalamatic model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units	36, 37, and 39

Paragraph (b) (*Performance Criteria*) requires the owner or operator to establish and maintain the following:

- (1) Specifications that provide for obtaining data that are representative of the emissions or parameters being monitored
- (2) For new or modified monitoring equipment, verification procedures to confirm the operational status of the monitoring prior to the date by which the owner or operator must conduct monitoring as specified in Section 64.7(a)
- (3) Quality assurance and control practices to ensure continuing validity of data
- (4) Specifications for the frequency of conducting the monitoring, the data collection procedures that will be used
 - (i) At a minimum, the owner or operator shall design the period over which data are obtained and, if applicable, averaged consistent with the characteristics and typical variability of the pollutant-specific emissions unit (including the control device and associated capture system).
 - (ii) For all pollutant-specific emissions units with the potential to emit, calculated *including* the effect of control devices, the applicable regulated air pollutant in an amount equal to or greater than 100% of the amount, in tons per year, required for a source to be classified as a major source, for each parameter monitored, the owner or operator shall collect four or more data values equally spaced over each hour and average the values, as applicable, over the applicable averaging period as determined in accordance with paragraph (b)(4)(i) of this section. The permitting authority may approve a reduced data collection frequency, if appropriate, based on information presented by the owner or operator concerning the data collection mechanisms

available for a particular parameter for the particular pollutant-specific emissions unit

- (iii) For other pollutant-specific emissions units, the frequency of data collection may be less than the frequency specified in paragraph (b)(4)(ii) of this section but the monitoring shall include some data collection at least once per 24-hour period

As shown above, the controlled potential to emit for PM₁₀ from Permit Unit C-825-5-21 is less than the major source threshold for PM₁₀ of 140,000 lb/year. Therefore, pursuant to Section 64.3, paragraph b(4)(iii), monitoring of parameter(s) once per day will satisfy the CAM monitoring frequency requirement for PM₁₀ emissions.

The conditions of proposed Permit C-825-5-21 require that the differential operating pressure of the baghouse shall be monitored and recorded each day that the baghouse operates and also require that the owner or operator shall maintain and operate a continuous opacity monitor (COM) that meets the performance specification requirements in 40 CFR, Part 60, Appendix B, or equivalent specifications established by mutual agreement of the District, ARB, and the EPA. Therefore, the proposed permit requires that sufficient data that are representative of the parameters being monitored must be collected. In addition, the conditions of Permit C-825-5-21 require periodic source testing of PM₁₀ emissions at least once every 12 months and require that the baghouse shall be maintained and operated according to manufacturer's specifications. These conditions provide additional assurance that the baghouse is operating properly.

The following conditions of the proposed requirements of Permit C-825-5-21 satisfy the performance criteria of paragraph (b):

Permit Unit #	Permit Description	Condition #s
C-825-5-21	30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NOx System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo each controlled with a DCE Dalamatic model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units	31, 38, and 40

Paragraph (c) (*Evaluation Factors*) stipulates that in designing monitoring to meet the requirements of this section, the owner or operator shall take into account site-specific factors including the applicability of existing monitoring equipment and procedures, the ability of the monitoring to account for process and control device operational variability, the reliability and latitude built into the control technology, and the level of actual emissions relative to the compliance limitation.

No additional site specific factors need to be accounted for in the design of the proposed CAM system for PM₁₀ emitted from the unit.

Paragraph (d) (*Special Criteria for the use of Continuous Emission Monitoring System, Continuous Opacity Monitoring System or Predictive Emission Monitoring System*) specifies the following:

- (1) If a continuous emission monitoring system (CEMS), continuous opacity monitoring system (COMS) or predictive emission monitoring system (PEMS) is required pursuant to other authority under the Clean Air Act or state or local law, the owner or operator shall use such system to satisfy the requirements of this part.
- (2) The use of a CEMS, COMS, or PEMS that satisfies any of the following monitoring requirements shall be deemed to satisfy the general design criteria in paragraphs (a) and (b) of this section, provided that a COMS may be subject to the criteria for establishing indicator ranges under paragraph (a) of this section:
 - (i) Section 51.214 and appendix P of 40 CFR Part 51;
 - (ii) Section 60.13 and appendix B of 40 CFR Part 60;
 - (iii) Section 63.8 and any applicable performance specifications required pursuant to the applicable subpart of 40 CFR Part 63;
 - (iv) 40 CFR Part 75;
 - (v) Subpart H and appendix IX of 40 CFR Part 266; or
 - (vi) If an applicable requirement does not otherwise require compliance with the requirements listed in the preceding paragraphs (d)(2)(i) through (v) of 40 CFR Part 64, Section 64.3, comparable requirements and specifications established by the permitting authority.
- (3) The owner or operator shall design the monitoring system subject to this paragraph (d) to:
 - (i) Allow for reporting of exceedances (or excursions if applicable to a COMS used to assure compliance with a particulate matter standard), consistent with any period for reporting of exceedances in an underlying requirement. If an underlying requirement does not contain a provision for establishing an averaging period for the

- reporting of exceedances or excursions, the criteria used to develop an averaging period in (b)(4) of this section shall apply; and
- (ii) Provide an indicator range consistent with paragraph (a) of this section for a COMS used to assure compliance with a particulate matter standard. If an opacity standard applies to the pollutant-specific emissions unit, such limit may be used as the appropriate indicator range unless the opacity limit fails to meet the criteria in paragraph (a) of this section after considering the type of control device and other site-specific factors applicable to the pollutant-specific emissions unit.

The conditions of proposed Permit C-825-5-21 require the use of a COMS that meets the performance specification requirements in 40 CFR, Part 60, Appendix B, or equivalent specifications established by the District, ARB, and the EPA to satisfy local, state, and federal air quality requirements, including CAM. The conditions of proposed Permit C-825-5-21 also require that the owner shall maintain records of opacity and report excess emissions and opacity monitoring system downtime.

The following conditions of the proposed requirements for Permit C-825-5-21 incorporate the special criteria for the use of COMS from CAM Section 64.3, Paragraph (d).

Permit Unit #	Permit Description	Condition #s
C-825-5-21	30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NOx System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo each controlled with a DCE Dalamatic model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units	31, 32, and 58

40 CFR Section 64.4 - Submittal Requirements

This section specifies submittal requirements for the owner or operator which ensure the CAM system will comply with the design criteria of Section 64.3. As discussed above, the requirements of proposed Permit C-825-5-21 include a CAM system that satisfies the design criteria of Section 64.3.

40 CFR Section 64.5 - Deadlines for Submittals

This section specifies required timing for submittals required under Section 64.4.

Large pollutant-specific emissions units (those with controlled emissions exceeding major source thresholds) are required to make the submittals as a part of the initial Title V permit application where the application has either not been filed or has not been deemed complete. Where the initial Title V permit has been issued without implementation of 40 CFR 64, the owner or operator must make the required submittals as a part of a subsequent application for any significant permit revision. If the required information is not submitted by either of these deadlines, it must be submitted as a part of the application for the Title V permit renewal.

For other pollutant-specific emissions units, the required submittal deadline is the application for Title V permit renewal.

The facility's Title V renewal satisfies the CAM submittal deadline requirements of this section.

40 CFR Section 64.6 - Approval of Monitoring

This section stipulates the following:

- (a) Based on an application that includes the information submitted in accordance with Section 64.5, the permitting authority shall act to approve the monitoring submitted by the owner or operator by confirming that the monitoring satisfies the requirements in Section 64.3.
- (b) In approving monitoring under this section, the permitting authority may condition the approval on the owner or operator collecting additional data on the indicators to be monitored for a pollutant-specific emissions unit, including required compliance or performance testing, to confirm the ability of the monitoring to provide data that are sufficient to satisfy the requirements of this part and to confirm the appropriateness of an indicator range(s) or designated condition(s) proposed to satisfy Section 64.3(a)(2) and (3) and consistent with the schedule in Section 64.4(e).
- (c) If the permitting authority approves the proposed monitoring, the permitting authority shall establish one or more permit terms or conditions that specify the required monitoring in accordance with 40 CFR Section 70.6(a)(3)(i).

- (d) If the monitoring proposed by the owner or operator requires installation, testing or final verification of operational status, the part 70 or 71 permit shall include an enforceable schedule with appropriate milestones for completing such installation, testing, or final verification consistent with the requirements in Section 64.4(e).
- (e) If the permitting authority disapproves the proposed monitoring, the following applies:
 - (1) The draft or final permit shall include, at a minimum, monitoring that satisfies the requirements of Section 70.6(a)(3)(i)(B);
 - (2) The permitting authority shall include in the draft or final permit a compliance schedule for the source owner to submit monitoring that satisfies Sections 64.3 and 64.4, but in no case shall the owner or operator submit revised monitoring more than 180 days from the date of issuance of the draft or final permit; and
 - (3) If the source owner or operator does not submit the monitoring in accordance with the compliance schedule as required in paragraph (e)(2) of Section 64.6 or if the permitting authority disapproves the monitoring submitted, the source owner or operator shall be deemed not in compliance with part 64, unless the source owner or operator successfully challenges the disapproval.

The CAM submittal requirements and stipulations for approval of such submittals pursuant to 40 Sections 64.4, 64.5, and 64.6 have been completed in conjunction with the application and review process for this Title V permit renewal and the requirements of these sections have been included in the requirements of proposed Permit C-825-5-21, as applicable.

40 CFR Section 64.7 - Operation of Approved Monitoring

This section requires the following:

- (a) *Commencement of Operation.* The owner or operator shall conduct the monitoring required under this part upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to Section 64.6(d).
- (b) *Proper Maintenance.* At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

- (c) *Continued Operation.* Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- (d) *Response to excursions or exceedances.*
- (1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
 - (2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) *Documentation of Need for Improved Monitoring.* After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

The following conditions of the proposed requirements for Permit C-825-5-21 incorporate the requirements of Section 64.7.

Permit Unit #	Permit Description	Condition #s
C-825-5-21	30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NOx System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo each controlled with a DCE Dalamatic model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units	41 and 43

40 CFR Section 64.8 - Quality Improvement Plan (QIP) Requirements

Section 64.8 stipulates that the Administrator or the permitting authority may require that the facility develop and implement a Quality Improvement Plan (QIP) in the event of a determination of a need for improved monitoring pursuant to Section 64.7. Section 64.8 also identifies the minimum elements required in the QIP, and requires the owner or operator to implement the QIP as expeditiously as possible and to notify the permitting authority if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

Following implementation of a QIP, upon any subsequent determination pursuant to Section 64.7(d)(2) the Administrator or the permitting authority may require that an owner or operator make reasonable changes to the QIP

to address the cause of the control device performance problems or to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Clean Air Act.

The following condition of the proposed requirements for Permit C-825-5-21 incorporates the QIP requirements of Section 64.8.

Permit Unit #	Permit Description	Condition #s
C-825-5-21	30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NOx System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo each controlled with a DCE Dalamatic model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units	43

40 CFR Section 64.9 - Reporting and Recordkeeping Requirements

(a) General Reporting Requirements.

- (1) On and after the date specified in Sections 64.7(a) by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with 40 CFR Section 70.6(a)(3)(iii).
- (2) A report for monitoring under this part shall include, at a minimum, the information required under 40 CFR Section 70.6(a)(3)(iii) and the following information, as applicable:
 - (i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

- (ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
- (iii) A description of the actions taken to implement a QIP during the reporting period as specified in Section 64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

(b) *General Recordkeeping Requirements.*

- (1) The owner or operator shall comply with the recordkeeping requirements specified in 40 CFR Section 70.6(a)(3)(ii). The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
- (2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

The following conditions of the proposed requirements for Permit C-825-5-21 satisfy the reporting and recordkeeping requirements of Section 64.9.

Permit Unit #	Permit Description	Condition #s
C-825-5-21	30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NOx System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo each controlled with a DCE Dalamatic model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units	40, 41, 44, 58, and 59

40 CFR Section 64.10 Savings Provisions

(a) Nothing in this part shall:

- (1) Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Clean Air Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Clean Air Act, including monitoring in permits issued pursuant to title I of the Clean Air Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Clean Air Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of 40 CFR Part 64.
- (2) Restrict or abrogate the authority of the Administrator or the permitting authority to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable.
- (3) Restrict or abrogate the authority of the Administrator or permitting authority to take any enforcement action under the Clean Air Act for any violation of an applicable requirement or of any person to take action under section 304 of the Clean Air Act.

This section clarifies that CAM requirements do not excuse the owner or operator from complying with any other applicable air quality requirements or abrogate any more stringent requirements or the ability of EPA or the permitting authority to take enforcement action. This section does not impose additional requirements.

As discussed above, the following conditions of the requirements for the proposed draft renewed Title V permit for Unit C-825-5-21 incorporate the applicable CAM requirements for this permit unit.

Permit Unit #	Permit Description	Condition #s
C-825-5-21	30 MW Power Production Facility with a 317 MMBtu/hr Biomass and Natural Gas-Fired Gotaverken Circulating Fluidized Bed Boiler Controlled with a Modular Six-Compartment Baghouse and Thermal De-NOx System and with a Cyclone, a Superheater, a Steam Drum, an Economizer, an Air Heater, a Sand Silo and a Limestone Silo each controlled with a DCE Dalamatic Model # DLM-V20/10W Bin Vent Filter, an Enclosed Ash Silo, and Bottom Sand Discharge Units	31-32, 36-41, 43-44, and 58-59

- e. C-825-8-5: 245 bhp Detroit Model DOFP-04AT-1 (Tier 0 Uncertified) Diesel-Fired Emergency IC Engine Powering a Fire Pump

This unit does not have any add-on controls; therefore, CAM is not applicable.

- f. C-825-9-11: Gasoline Dispensing Operation with One 2,000 Gallon Split (500 Gallon Gasoline/1,500 Gallon Diesel) Aboveground Storage Tank Served by Morrison Brother EVR Phase I Vapor Recovery System (VR-402-B), Standing Loss Control (VR-301-E), and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-160)

This unit does not have an explicit emissions limit for VOC on the permit; therefore, CAM is not applicable.

- g. C-825-11-6: 20,769 GPM Cooling Tower with Two Cells and a Drift Eliminator

This unit does not have an explicit emissions limit for any pollutant on the permit or any add-on controls; therefore, CAM is not applicable.

F. 40 CFR Part 68 – Chemical Accident Provision

The requirements of 40 CFR Part 68 are applicable to facilities, which may store regulated substances above the threshold limits specified in the regulation.

40 CFR 68, Subpart A – General

Section 68.1 sets forth the list of regulated substances and thresholds, the petition process for adding or deleting substances to the list of regulated

substances, the requirements for owners or operators of stationary sources concerning the prevention of accidental releases, and the State accidental release prevention programs approved under Section 112(r).

Pursuant to Section 68.10, except as provided in paragraphs (b) through (f) of the section, an owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under Section 68.115, shall comply with the requirements of this part no later than the latest of the following dates:

- (1) June 21, 1999;
 - (2) Three years after the date on which a regulated substance is first listed under Section 68.130;
 - (3) The date on which a regulated substance is first present above a threshold quantity in a process; or
 - (4) For any revisions to this part, the effective date of the final rule that revises this part.
- (a) By March 14, 2018, the owner or operator of a stationary source shall comply with the emergency response coordination activities in Section 68.93, as applicable.
- (b) Within three years of when the owner or operator determines that the stationary source is subject to the emergency response program requirements of Section 68.95, pursuant to Section 68.90(a), the owner or operator must develop and implement an emergency response program in accordance with Section 68.95.
- (c) By December 19, 2023, the owner or operator shall have developed plans for conducting emergency response exercises in accordance with provisions of Section 68.96, as applicable.
- (d) The owner or operator of a stationary source shall comply with the public meeting requirement in Section 68.210(b) within 90 days of any RMP reportable accident at the stationary source with known offsite impacts specified in Section 68.42(a), that occurs after March 15, 2021.
- (e) After December 19, 2024, for any risk management plan initially submitted as required by Sections 68.150(b)(2) or (3) or submitted as an update required by Section 68.190, the owner or operator shall comply with the following risk management plan provisions of subpart G of this part:
- (1) Reporting a public meeting after an RMP reportable accident under Section 68.160(b)(21) as promulgated on December 19, 2019;
 - (2) Reporting emergency response program information under Section 68.180(a)(1) as promulgated on December 19, 2019;

- (3) Reporting emergency response program information under Section 68.180(a)(2) and (3) as promulgated on January 13, 2017, as applicable; and,
 - (4) Reporting emergency response program and exercises information under Section 68.180(b) as promulgated on January 13, 2017, as applicable. The owner or operator shall submit dates of the most recent notification, field and tabletop exercises in the risk management plan, for exercises completed as required under Section 68.96 at the time the risk management plan is either submitted under Section 68.150(b)(2) or (3), or is updated under Section 68.190.
- (g) *Program 1 eligibility requirements.* A covered process is eligible for Program 1 requirements as provided in Section 68.12(b) if it meets all of the following requirements:
- (1) For the five years prior to the submission of an RMP, the process has not had an accidental release of a regulated substance where exposure to the substance, its reaction products, overpressure generated by an explosion involving the substance, or radiant heat generated by a fire involving the substance led to any of the following offsite:
 - (i) Death;
 - (ii) Injury; or
 - (iii) Response or restoration activities for an exposure of an environmental receptor;
 - (2) The distance to a toxic or flammable endpoint for a worst-case release assessment conducted under subpart B and Section 68.25 is less than the distance to any public receptor, as defined in Section 68.3; and
 - (3) Emergency response procedures have been coordinated between the stationary source and local emergency planning and response organizations.
- (h) *Program 2 eligibility requirements.* A covered process is subject to Program 2 requirements if it does not meet the eligibility requirements of either paragraph (g) or paragraph (i) of this section.
- (i) *Program 3 eligibility requirements.* A covered process is subject to Program 3 if the process does not meet the requirements of paragraph (g) of this section, and if either of the following conditions is met:
- (1) The process is in NAICS code 32211, 32411, 32511, 325181, 325188, 325192, 325199, 325211, 325311, or 32532; or
 - (2) The process is subject to the OSHA process safety management standard, 29 CFR 1910.119.
- (j) If at any time a covered process no longer meets the eligibility criteria of its Program level, the owner or operator shall comply with the requirements of

the new Program level that applies to the process and update the RMP as provided in Section 68.190.

40 CFR 68, Subpart B – Hazard Assessment

Pursuant to Section 68.20, the owner or operator of a stationary source subject to this part shall prepare a worst-case release scenario analysis as provided in Section 68.25 of this part and complete the five-year accident history as provided in Section 68.42.

40 CFR 68, Subpart C - Program 2 Prevention Program

40 CFR 68, Subpart C - *Program 2 Prevention Program* (Sections 68.48 through 60.60) specify the requirements for facilities subject to the Program 2 Prevention Program.

40 CFR 68, Subpart D - Program 3 Prevention Program

40 CFR 68, Subpart D - *Program 3 Prevention Program* (Sections 68.65 through 60.87) specify the requirements for facilities subject to the Program 3 Prevention Program.

40 CFR 68, Subpart E - Emergency Response

Pursuant to Section 68.90(a) - *Responding Stationary Source*, except as provided in paragraph (b) of this section, the owner or operator of a stationary source with Program 2 and Program 3 processes shall comply with the requirements of Sections 68.93, 68.95, and 68.96.

Pursuant to Section 68.90(b) - *Non-responding stationary source*, the owner or operator of a stationary source whose employees will not respond to accidental releases of regulated substances need not comply with Section 68.95 of this part provided that:

- (1) For stationary sources with any regulated toxic substance held in a process above the threshold quantity, the stationary source is included in the community emergency response plan developed under 42 U.S.C. 11003;
- (2) For stationary sources with only regulated flammable substances held in a process above the threshold quantity, the owner or operator has coordinated response actions with the local fire department;
- (3) Appropriate mechanisms are in place to notify emergency responders when there is a need for a response;
- (4) The owner or operator performs the annual emergency response coordination activities required under Section 68.93; and
- (5) The owner or operator performs the annual notification exercises required under Section 68.96(a).

Pursuant to Section 68.93 - *Emergency Response Coordination Activities*, the owner or operator of a stationary source shall coordinate response needs with local emergency planning and response organizations to determine how the stationary source is addressed in the community emergency response plan and to ensure that local response organizations are aware of the regulated substances at the stationary source, their quantities, the risks presented by covered processes, and the resources and capabilities at the stationary source to respond to an accidental release of a regulated substance.

Pursuant to Section 68.95 - *Emergency Response Program*, the owner or operator shall develop and implement an emergency response program for the purpose of protecting public health and the environment.

40 CFR 68, Subpart F - Regulated Substances for Accidental Release Prevention

This subpart designates substances to be listed under section 112(r)(3), (4), and (5) of the Clean Air Act, as amended, identifies their threshold quantities, and establishes the requirements for petitioning to add or delete substances from the list.

Section 68.130 – *List of Substances* lists regulated toxic and flammable substances under section 112(r) of the Clean Air Act in Tables 1, 2, 3, and 4. Threshold quantities for listed toxic and flammable substances are specified in the tables.

40 CFR 68, Subpart G - Risk Management Plan

Section 68.150 – *Submission* requires the following:

- (a) The owner or operator shall submit a single RMP that includes the information required by Sections 68.155 through 68.185 for all covered processes. The RMP shall be submitted in the method and format to the central point specified by EPA as of the date of submission.
- (b) The owner or operator shall submit the first RMP no later than the latest of the following dates:
 - (1) June 21, 1999;
 - (2) Three years after the date on which a regulated substance is first listed under Section 68.130; or
 - (3) The date on which a regulated substance is first present above a threshold quantity in a process.
- (c) The owner or operator of any stationary source for which an RMP was submitted before June 21, 2004, shall revise the RMP to include the

information required by Section 68.160(b)(6) and (14) by June 21, 2004 in the manner specified by EPA prior to that date. Any such submission shall also include the information required by Section 68.160(b)(20) (indicating that the submission is a correction to include the information required by Sections 68.160(b)(6) and (14) or an update under Section 68.190).

- (d) RMPs submitted under this section shall be updated and corrected in accordance with Sections 68.190 and 68.195.
- (e) Notwithstanding the provisions of Sections 68.155 to 68.190, the RMP shall exclude classified information. Subject to appropriate procedures to protect such information from public disclosure, classified data or information excluded from the RMP may be made available in a classified annex to the RMP for review by Federal and state representatives who have received the appropriate security clearances.
- (f) Procedures for asserting that information submitted in the RMP is entitled to protection as confidential business information are set forth in Sections 68.151 and 68.152.

Section 68.165 – *Offsite Consequence Analysis* requires (a) The owner or operator shall submit in the RMP information:

- (1) One worst-case release scenario for each Program 1 process; and
- (2) For Program 2 and 3 processes, one worst-case release scenario to represent all regulated toxic substances held above the threshold quantity and one worst-case release scenario to represent all regulated flammable substances held above the threshold quantity. If additional worst-case scenarios for toxics or flammables are required by Section 68.25(a)(2)(iii), the owner or operator shall submit the same information on the additional scenario(s). The owner or operator of Program 2 and 3 processes shall also submit information on one alternative release scenario for each regulated toxic substance held above the threshold quantity and one alternative release scenario to represent all regulated flammable substances held above the threshold quantity.

Section 68.168 - *Five-year accident history* requires the owner or operator shall submit in the RMP the information provided in Section 68.42(b) on each accident covered by Section 68.42(a).

Sections 68.170 - *Prevention program/Program 2* and 68.175 - *Prevention program/Program 3* specify the requirements for Program 2 and 3 Prevention Programs.

Section 68.190 - *Updates* requires the owner or operator shall review and update the RMP as specified in paragraph (b) of the section and submit it in the

method and format to the central point specified by EPA as of the date of submission.

Section 68.195 - *Required corrections* requires the owner or operator of a stationary source for which a RMP was submitted shall correct the RMP as follows:

- (a) New accident history information—For any accidental release meeting the five-year accident history reporting criteria of Section 68.42 and occurring after April 9, 2004, the owner or operator shall submit the data required under Sections 68.168, 68.170(j), and 68.175(l) with respect to that accident within six months of the release or by the time the RMP is updated under Section 68.190, whichever is earlier.
- (b) Emergency contact information—Beginning June 21, 2004, within one month of any change in the emergency contact information required under Section 68.160(b)(6), the owner or operator shall submit a correction of that information.

40 CFR 68, Subpart H – Other Requirements

Pursuant to Section 68.200 – *Recordkeeping*, the owner or operator shall maintain records supporting the implementation of this part at the stationary source for five years, unless otherwise provided in subpart D of this part.

Section 68.210 – *Availability of information to the public*, requires the following:

- (a) *RMP availability*. The RMP required under subpart G of this part shall be available to the public under 42 U.S.C. 7414(c) and 40 CFR part 1400.
- (b) *Public meetings*. The owner or operator of a stationary source shall hold a public meeting to provide information required under Section 68.42(b), no later than 90 days after any RMP reportable accident at the stationary source with any known offsite impact specified in Section 68.42(a).
- (c) *Classified and restricted information*. The disclosure of information classified or restricted by the Department of Defense or other Federal agencies or contractors of such agencies shall be controlled by applicable laws, regulations, or executive orders concerning the release of that classified or restricted information.

The requirements of Section 68.215 – *Permit content and air permitting authority or designated agency requirements*, apply to any stationary source subject to this part 68 and 40 CFR parts 70 or 71.

- (a) The 40 CFR part 70 or part 71 permit for the stationary source shall contain:
 - (1) A statement listing this part as an applicable requirement;
 - (2) Conditions that require the source owner or operator to submit:
 - (i) A compliance schedule for meeting the requirements of this part by the dates provided in Sections 68.10(a) through (f) and 68.96(a) and (b)(2)(i), or;
 - (ii) As part of the compliance certification submitted under 40 CFR 70.6(c)(5), a certification statement that the source is in compliance with all requirements of this part, including the registration and submission of the RMP.
- (b) The owner or operator shall submit any additional relevant information requested by the air permitting authority or designated agency.
- (c) For 40 CFR part 70 or part 71 permits issued prior to the deadline for registering and submitting the RMP and which do not contain permit conditions described in paragraph (a) of this section, the owner or operator or air permitting authority shall initiate permit revision or reopening according to the procedures of 40 CFR 70.7 or 71.7 to incorporate the terms and conditions consistent with paragraph (a) of this section.
- (d) The state may delegate the authority to implement and enforce the requirements of paragraph (e) of this section to a state or local agency or agencies other than the air permitting authority. An up-to-date copy of any delegation instrument shall be maintained by the air permitting authority. The state may enter a written agreement with the Administrator under which EPA will implement and enforce the requirements of paragraph (e) of this section.
- (e) The air permitting authority or the agency designated by delegation or agreement under paragraph (d) of this section shall, at a minimum:
 - (1) Verify that the source owner or operator has registered and submitted an RMP or a revised plan when required by this part;
 - (2) Verify that the source owner or operator has submitted a source certification or in its absence has submitted a compliance schedule consistent with paragraph (a)(2) of this section;
 - (3) For some or all of the sources subject to this section, use one or more mechanisms such as, but not limited to, a completeness check, source audits, record reviews, or facility inspections to ensure that

permitted sources are in compliance with the requirements of this part; and

- (4) Initiate enforcement action based on paragraphs (e)(1) and (e)(2) of this section as appropriate.

Pursuant to Section 68.220 – *Audits*, in addition to inspections for the purpose of regulatory development and enforcement of the Act, the implementing agency shall periodically audit RMPs submitted under subpart G of this part to review the adequacy of such RMPs and require revisions of RMPs when necessary to ensure compliance with subpart G of this part.

The following condition of the proposed requirements of the facility-wide permit require compliance with this regulation if it is determined to apply to the facility.

Permit Unit #	Permit Description	Condition #
C-825-0-5	Facility-Wide Permit	40

G. 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 of the proposed requirements of the facility-wide permit require compliance with this regulation.

Permit Unit #	Permit Description	Condition #
C-825-0-5	Facility-Wide Permit	28

H. 40 CFR Part 82, Subpart F – Recycling and Emissions Reduction

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, manufacturer 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 do not have any effect on the current permit requirements and therefore will not be addressed further in this evaluation.

The following condition of the proposed requirements of the facility-wide permit require compliance with this regulation.

Permit Unit #	Permit Description	Condition #
C-825-0-5	Facility-Wide Permit	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

The applicant does not propose to use any model general permit templates.

B. Requirements not Addressed by Model General Permit Templates

The applicant is not requesting any permit shields that are not addressed by general permit templates.

C. Obsolete Permit Shields From Existing Permit Requirements

The original permits did not contain any obsolete 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 most recent renewal of the Title V permit are incorporated as permit requirements.

Per the California Environmental Quality Act (CEQA) Statute §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. There will be no physical or operational change to the source or facility nor will the Title V permit renewal authorize a physical or operational change to the source or facility. Therefore, this project, a Title V permit renewal, is subject to a ministerial action that is exempt from CEQA.

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

ATTACHMENTS

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Summary List of Facility Permits

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: C-825-0-5

EXPIRATION DATE: 11/30/2021

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]
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]
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
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

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: CES MENDOTA BECCS PLANT
Location: 400 GUILLEN PARKWAY, MENDOTA, CA 93640
C-825-0-5 : Jan 17 2023 8:53AM -- ALEMANZ

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
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] 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. {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
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

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

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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
40. The permittee shall submit a Risk Management Plan to the appropriate authority by June 21, 1999 and abide by all applicable sections of 40 CFR, Part 68, Chemical Accident Prevention Provisions. [40 CFR 68] Federally Enforceable Through Title V Permit
41. The reporting period of the Report of Required Monitoring and the Compliance Certification Report begin January 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of reporting period. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-1-5

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

890 BHP CATERPILLAR MODEL 3412 (TIER 0 UNCERTIFIED) DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] 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. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] 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, 5.7.4, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702, 3.15, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 6.4 lb-NO_x/day, 0.6 lb-VOC(NMHC)/day, 1.7 lb-CO/day, 0.5 lb-SO₂/day or 0.6 lb-PM₁₀/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Compliance with the daily emission limits may be demonstrated by reference to the manufacturer's guaranteed emission rates for this IC engine, the use of CARB diesel, and the hours of operation. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
8. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Ignition timing shall be certified by a qualified mechanic. Certification shall be retained with the engine operating records. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Diesel consumption shall not exceed 408 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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, 5.7.2 and CFR 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.

12. 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, 5.7.3] Federally Enforceable Through Title V Permit
13. 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, 3.15] Federally Enforceable Through Title V Permit
14. 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, 3.15] Federally Enforceable Through Title V Permit
15. 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, 6.2.3, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The permittee 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The permittee has 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. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee must maintain records of all required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
22. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action 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. [40 CFR 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.

23. 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 2520, 9.4.1 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, 6.2.3, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-3-11

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

FUEL RECEIVING AND UNLOADING OPERATION CONSISTING OF TWO (2) TRUCK TIPPERS, STORAGE YARD OPERATIONS, AND BATCH TRANSFER TO THE FUEL RECEIVING HOPPER

PERMIT UNIT REQUIREMENTS

1. While dormant, no fuel deliveries will be allowed by contract; the perimeter fencing shall be maintained; the gate will be locked; and the fuel yard will be maintained as empty. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. Particulate Matter (PM₁₀) emissions from this fuel receiving, unloading, and storage operation shall not exceed 114.2 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Water sprays shall be operated on material handling points whenever material is being transferred. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Fuel receiving rate shall not exceed 3,600 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Records of daily fuel materials received shall be maintained, retained on the premises for at least five years, and provided to the District upon request. [District Rules 2201 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Water truck shall be used to spray the grounds to control fugitive dust from vehicle and equipment traffic. [District Rule 2201] Federally Enforceable Through Title V Permit
12. For a given material process rate P (tons/hour), particulate matter (PM) emissions shall not exceed the hourly rate (E) as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$, if P is less than or equal to 30 tons per hour; or $E = 17.31 \times P^{0.16}$, P is greater than 30 tons per hour. [District Rule 4202] 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. Visible emissions shall be inspected annually using EPA Method 9 under material and environmental conditions where high emissions are expected, such as dry and windy. [District Rule 2520, 9.3] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of: (1) the date and time of visible emissions observations, (2) the opacity reading, and (3) a description of any corrective action taken to maintain the visible emissions within the acceptable range. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
15. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-4-11

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

BIOMASS FUEL HANDLING, PROCESSING, AND STORAGE OPERATION WITH ENCLOSED BELT CONVEYORS AND TRANSFER POINTS, RECLAIMERS, HAMMER HOG, HOG TOWER SERVED BY A BAGHOUSE AND A FUEL FEEDER SURGE BIN DUCTED TO THE MAIN BOILER EXHAUST PLENUM (C-825-5)

PERMIT UNIT REQUIREMENTS

1. While dormant, no fuel deliveries will be allowed by contract and the fuel yard will be maintained as empty. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. 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 Rule 2201] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
9. Particulate Matter (PM10) emissions from baghouse #1 serving the hammer hog tower (emergency reclaimer, fuel rationing conveyors, disc screens) shall not exceed 0.0005 lb/ton of handled fuel material. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate Matter (PM10) emissions from this fuel handling, processing, and storage operation shall not exceed 64.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Material removed from dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The baghouses shall be equipped with an operational pressure differential gauge to indicate the pressure drop across each compartment. [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.

14. Fuel processing rate shall not exceed 1,200 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Visible emissions shall be checked monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted within 24 hours and the District shall be notified. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filter shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
19. Records of daily fuel materials handled shall be maintained, retained on the premises for at least five years, and provided to the District upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
20. For a given material process rate P (tons/hour), particulate matter (PM) emissions shall not exceed the hourly rate (E) as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$, if P is less than or equal to 30 tons per hour; or $E = 17.31 \times P^{0.16}$, P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. The differential pressure gauge reading range for the baghouse shall be established per manufacturer's recommendation. [District Rule 2520, 9.3] Federally Enforceable Through Title V Permit
22. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2520, 9.3] Federally Enforceable Through Title V Permit
23. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-5-21

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

30 MW POWER PRODUCTION FACILITY WITH A 317 MMBTU/HR BIOMASS AND NATURAL GAS-FIRED GOTAVERKEN CIRCULATING FLUIDIZED BED BOILER CONTROLLED WITH A MODULAR SIX-COMPARTMENT BAGHOUSE AND THERMAL DE-NOX SYSTEM AND WITH A CYCLONE, A SUPERHEATER, A STEAM DRUM, AN ECONOMIZER, AN AIR HEATER, A SAND SILO AND A LIMESTONE SILO EACH CONTROLLED WITH A DCE DALAMATIC MODEL # DLM-V20/10W BIN VENT FILTER, AN ENCLOSED ASH SILO, AND BOTTOM SAND DISCHARGE UNITS

PERMIT UNIT REQUIREMENTS

1. While dormant, a blank flange will be installed on the natural gas line and the flange will be locked; no fuel deliveries will be allowed by contract; the fuel yard will be maintained as empty. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Ammonia slip shall not exceed 25 ppmv at 3% O₂. [District Rule 4102]
9. Boiler fuels shall be limited to the following: saw mill residues (bark, sawdust, chips and shavings); forest residues; orchard and vineyard prunings including chipped whole tree wastes and materials listed in Appendix A to the Title V Permit, "Emission Factors for Open Burning of Agricultural Residues" (August 2000, Gaffney, P., California Air Resources Board Planning and Technical Support Division); clean unpainted urban wood waste; unpainted paper waste; nut shells; stone fruit pits; onion and garlic skins; and natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Natural gas shall be used only for startup and combustion stabilization (fuel not to exceed 25% annual BTU heat input). [District Rule 2201] Federally Enforceable Through Title V Permit
11. The permittee shall project and use the proper mix of fuels to ensure that all emissions are offset as required with credits from the use of creditable fuels. [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.

12. The permittee shall curtail operation proportionately and notify the District whenever, due to changes in the quantity or quality of wastes supplied, the emissions exceed the offsets. [District Rule 2201] Federally Enforceable Through Title V Permit
13. All stack emissions shall be completely offset with creditable biomass on an annual basis. Emission offsets shall be calculated using the formula $EC = (1/DF) \times \text{Sum}(A(i) \times EF(i))$, where: EC = Emission Credit (lb/yr), DF = Distance Factor, A(i) = Amount from each source (ton/yr), and EF(i) = Emission Factor for each source. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Distance Factor (DF) shall be 1.2 for sources within a 15 mile radius and 2.0 for sources outside the 15 mile radius. [District Rule 2201 and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
15. Open-burning emission factors used to determine the quantity of offsets available from the diversion of biomass from open-burning are listed in Appendix A, "Emission Factors for Open Burning of Agricultural Residues" (August 2000, Gaffney, P., California Air Resources Board Planning and Technical Support Division). A copy of Appendix A shall be retained on site and made available for District inspection upon request. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
16. Particulate matter (PM-10) emissions, except for periods of startup and shutdown as defined in District Rule 4352, shall not exceed any of the following: 0.010 gr/dscf @ 12% CO₂ of filterable particulate, 7.62 lb/hr of filterable particulate, or 14.3 lb/hr of filterable and condensable particulate. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Emissions shall not exceed any of the following limits: 247.2 lb-SO_x/day, 667.2 lb-NO_x/day, 928.8 lb-CO/day, 232.8 lb-VOC/day or 340.1 lb-PM₁₀/day. [District Rules 2201; 4301, 5.2; and 4352, 5.1; and 40 CFR 60.44b(i) and (h)] Federally Enforceable Through Title V Permit
18. For pollutants whose emission rates are not monitored by a CEMS (i.e. SO_x, CO, PM₁₀, and VOC), compliance with the hourly and daily emission limits shall be determined by using emission factors derived from the most recent source test. Compliance with the hourly emission rates shall be deemed compliance with the daily emission rates. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
19. Start-up operation is defined as the period of time during which a unit is heated to the operating temperature and pressure from a shutdown status. Shutdown operation is defined as the period of time during which a unit is taken from operational to nonoperational status by allowing it to cool down from its operating temperature and pressure to an ambient temperature. [District Rule 4352, 3.15, 3.18, and 5.3] Federally Enforceable Through Title V Permit
20. The duration of each start-up shall not exceed 96 hours. The duration of each shut down shall not exceed twelve (12) hours. [District Rule 4352, 5.3.1 and 5.3.2] Federally Enforceable Through Title V Permit
21. The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown. [District Rule 4352, 5.3.3] Federally Enforceable Through Title V Permit
22. Verification of all emission related data is the responsibility of the Permittee. Such verification shall be provided to the District upon request. [District Rule 2201 and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
23. Permittee shall perform annual source tests for PM₁₀, CO, SO_x as SO₂, VOC, and NO_x as NO₂. The District must be notified 30 days prior to any compliance source testing. A pretest plan outlining source test methods, approved contractor, test date, and operating parameters must be submitted to the District for approval at least 15 days prior to source sampling. [District Rules 1081, 7.1; 2201; and 4352, 6.2] Federally Enforceable Through Title V Permit
24. Source testing for SO_x shall be conducted using EPA Method 5 or 8 or a continuous emissions analyzer in accordance with EPA Method 6C. Source testing for NO_x shall be conducted using EPA Method 7E or CARB Method 100. Source testing for CO shall be conducted using EPA Method 10 or CARB Method 100. Source testing for hydrocarbons shall be conducted using EPA Method 18 or CARB Method 100. Source testing for particulate matter (PM) shall be conducted using EPA Method 5 and EPA Method 202. As an alternative to EPA Method 5, determination of the "front-half" fraction or filterable PM₁₀ may be conducted using EPA Method 201A. Source testing for stack gas velocity shall be conducted using EPA Method 2. Source testing for moisture content shall be conducted using EPA Method 4. [District Rules 2201; 2520, 9.3.2; 4352, 6.3.1; 40 CFR 60.46b(d) and 40 CFR 60.48a] 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.

25. All emissions measurements during a source test shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No compliance determination shall be established within two hours after a period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352, 6.2.2 and 6.2.3] Federally Enforceable Through Title V Permit
26. Source test reports shall be submitted to the District within 60 days after completion of source testing. [District Rules 1070 and 1081, 7.3] Federally Enforceable Through Title V Permit
27. Emissions during annual source tests shall not exceed any of the following limits: 27.8 lb-NOx/hr, 38.7 lb-CO/hr, 10.3 lb-SOx/hr, 9.7 lb-VOC/hr, 7.62 lb-filterable-PM10/hr and 14.3 lb-total-PM10/hr. [District Rules 2201; 4301, 5.2; and 4352, 5.1; and 40 CFR 60.43b(c); and 40 CFR 60.44b(d) and (l)] Federally Enforceable Through Title V Permit
28. Compliance with the daily NOx emission limit shall be based on a block 24-hour averaging period using CEM system data. [District Rule 4352, 5.2 and 40 CFR 60.44b(i)] Federally Enforceable Through Title V Permit
29. Permittee shall operate a Continuous Emissions Monitoring (CEM) system to monitor and record NOx concentrations and O2 concentrations, as well as the NOx emission rate whenever the boiler is operating. The CEM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The CEM system must also comply with 40 CFR 60 Appendix B, Performance Specifications 2, 3 and 6, and 40 CFR 60 Appendix F, Quality Assurance Procedures. Per Section 5.1.1 of Appendix F, at least once each calendar year, a Relative Accuracy Test Audit (RATA) must be conducted. Per Sections 5.1.2 and 5.1.3 of Appendix F, a Cylinder Gas Audit (CGA) and a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [District Rules 1080 and 4352, 5.4; and 40 CFR 60.7(c), 40 CFR 60.13, and 40 CFR 60.48b] Federally Enforceable Through Title V Permit
30. The continuous monitoring equipment must be linked to a data acquisition system that is accessible via modem. [District Rules 1080 and 4352, 5.4] Federally Enforceable Through Title V Permit
31. Permittee shall operate a Continuous Opacity Monitoring (COM) system to monitor and record opacity whenever the boiler is operating. The COM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The COM system must also satisfy Performance Specification 1 of 40 CFR 60 Appendix B. [District Rule 1080 and 40 CFR 60.7(c); and 40 CFR 60.13, 40 CFR 60.48b, and 40 CFR 64.3(a) and (d)] Federally Enforceable Through Title V Permit
32. A quarterly CEM and COM report shall be submitted to the District which includes the following: hours of operation, the date and time of each exceedance of emissions limits (including startup, shutdown, malfunctions or any other reason), the quantity of excess emissions, any conversion factors used to calculate excess emissions, the nature and cause of each malfunction, any corrective action taken and any preventive measures adopted, hours of CEM (and COM) down time, and the cause of all CEM (and COM) down time. [District Rules 1080 and 4352, 5.4; and 40 CFR 60.49b(h), and 40 CFR 64.3(d)(i)] Federally Enforceable Through Title V Permit
33. Quarterly reports shall be submitted to the District within 30 days after the end of each calendar quarter. [District Rules 1080 and 4352, 5.4] Federally Enforceable Through Title V Permit
34. In cases of CEMS breakdown, malfunction, repairs, calibration checks, and adjustments, emission data shall be obtained as described in paragraph f of 40 CFR 60.48b. [40 CFR 60.48b(f)] Federally Enforceable Through Title V Permit
35. All quarterly NOx (CEM) and opacity (COM) reports required by this permit may be submitted to the District electronically in lieu of a written submittal. [40 CFR 60.49b(v)] Federally Enforceable Through Title V Permit
36. Baghouse shall be operated whenever the biomass combustor is operating. [District Rule 2201 and 40 CFR 64.3(a)] Federally Enforceable Through Title V Permit
37. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR 64.3(a)] 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.

38. Visible emissions from the baghouse serving solid fuel-fired boiler shall not equal or exceed 20% opacity for a period or periods aggregating more than three minutes in one hour as determined by the continuous opacity monitor (COM). [District Rules 2201 and 4101, 40 CFR 60.43b(f), and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
39. Pressure drop across the baghouse shall be maintained between 4 and 9 inches water column. [District Rule 2201 and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
40. Pressure drop across baghouse shall be observed and recorded at least once per day during operation of this unit. [District Rule 2520, 9.3.2 and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
41. Upon detecting any excursion from the acceptable range of baghouse differential pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. If the daily average baghouse differential pressure reading is not within the acceptable established range for two consecutive days, permittee shall notify the APCO of such exceedance within 96 hours. [40 CFR 64.7] Federally Enforceable Through Title V Permit
42. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR 64.7] Federally Enforceable Through Title V Permit
43. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.7(d)(2) and 40 CFR 64.8] Federally Enforceable Through Title V Permit
44. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
45. Replacement bags numbering at least 10% of the total number of bags shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
46. The baghouse shall be equipped with multiple compartments having fire detection systems. [District Rule 2201] Federally Enforceable Through Title V Permit
47. The dust collection system shall be thoroughly inspected quarterly for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be repaired as needed. [District Rules 1070; 2201; and 2520, 9.3.2] Federally Enforceable Through Title V Permit
48. Records of dust collector maintenance, inspection, and repair shall be maintained for five years and provided to the District upon request. The record shall include identification of the equipment, date of inspection, corrective action taken and identification of the individual performing the inspection. [District Rule 2520, 9.4.1, 9.4.2] Federally Enforceable Through Title V Permit
49. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
50. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 ton per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
51. Permittee shall record the type, mass, and geographic origin of all creditable biomass received on a daily basis. [District Rules 2201 and 4352, 6.1.1] Federally Enforceable Through Title V Permit
52. Permittee shall record on a monthly basis the higher heating value of all fuels used. [District Rule 4352, 6.1.1] Federally Enforceable Through Title V Permit
53. The higher heating value of all solids fuels shall be certified by a third-party supplier or determined by ASTM Methods D 5865-10 or E 711-87, or other test method(s) with prior written approval of the APCO, ARB, and EPA. [District Rule 4352, 6.3] 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.

54. Daily records for each load of creditable biomass received shall be maintained which include the date, weigh ticket number, supplier name, fuel type, tons received, the offset ratio for the load of biomass, and the amount of offset credit (in pounds of pollutant) attributable to each load of biomass. Records shall include certifications that any creditable biomass for which offset credit is claimed has historically been open burned in the San Joaquin Valley air basin. [District Rules 2201 and 4352, 6.1] Federally Enforceable Through Title V Permit
55. Daily records of creditable biomass received shall be used to determine annual offset compliance. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
56. The permittee shall record and maintain records of the amount of wood and natural gas fuel combusted each day, and calculate the annual capacity factor individually for wood and natural gas on a 12-month rolling average with a capacity factor calculated at the end of each month. [40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
57. The following CEMS records shall be kept for each steam generating unit operating day: (1) Calendar date, (2) Average hourly NOx emission rate, (3) The 24-hour average NOx emission rate (lb-NOx/hr) calculated at the end of each steam generating unit operating day from the measured NOx emissions rate for the preceding 24 hours. (4) Identification of daily NOx limit exceedances including reason for exceedance and the corrective actions taken, (5) Identification of daily CEMS interruptions including reason for interruption and the corrective actions taken, (6) Identification of data exclusions and the reasons for the exclusion, (7) Identification of times that the pollutant concentration exceeded the full span of the CEMS, (8) Description of modifications to the CEMS, and (9) Results of daily CEMS drift tests and other tests required under Appendix F, Procedure 1. A report containing these records shall be submitted to the District upon request. [40 CFR 60.49b(g) and 40 CFR 60.49b(i)] Federally Enforceable Through Title V Permit
58. The permittee shall maintain a record of the opacity readings made by the COM. [40 CFR 60.49b(f)] Federally Enforceable Through Title V Permit
59. All records required by this permit shall be retained on site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4352, 6.1.2] Federally Enforceable Through Title V Permit
60. Emissions of combustion contaminants from the biomass boiler shall not exceed 10 lb/hr. Combustion contaminants are defined as total PM (filterable plus condensable) minus the ammonium salts (e.g. ammonium chloride, ammonium sulfate, ammonium bisulfate, etc.) present in the condensable PM fraction. Compliance with this emission limit shall be demonstrated annually by source test conducted according to EPA Methods 5 and 202 (or other methods approved by the APCO, ARB, and EPA). Ammonium salts in the condensable PM fraction shall be determined by analysis of the condensable PM fraction by ion chromatography (or other method approved by the APCO, ARB, and EPA). [District Rules 1020, 3.12; 2520, 9.3; and 4301, 5.2.3] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-8-5

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

245 BHP DETROIT MODEL DOFP-04AT-1 (TIER 0 UNCERTIFIED) DIESEL-FIRED EMERGENCY IC ENGINE
POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] 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. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801; and 17 CCR 93115] 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, 5.7.4; 17 CCR 93115; and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following: 0.2 lb-PM10/hr, 1.0 lb-SOx/hr, 9.4 lb-NOx/hr, 4.8 lb-CO/hr, or 0.3 lb-VOC (NMHC)/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Compliance with the emission limits may be demonstrated by reference to the manufacturer's guaranteed emission rates for this IC engine and the use of CARB diesel. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
7. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Injection timing of the engine shall be inspected, adjusted, and certified annually by a qualified mechanic according to the manufacturer's specification. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Fuel oil consumption shall not exceed 13.3 gallons per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for maintenance, testing, and 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", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 4.3.1; 17 CCR 93115; and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
11. 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, 3.15] Federally Enforceable Through Title V Permit
12. 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, 3.15] 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 permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). 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, 6.2.3; 17 CCR 93115; and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. 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, 5.7.2 and CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The permittee 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. The permittee has 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. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The permittee must maintain records of all required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action 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. [40 CFR 63 Subpart ZZZZ] 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 2520, 9.4.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
23. 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, 6.2.3; 17 CCR 93115; and 40 CFR 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: C-825-9-11

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 2,000 GALLON SPLIT (500 GALLON GASOLINE/1,500 GALLON DIESEL) ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-301-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-160)

PERMIT UNIT REQUIREMENTS

1. While dormant, the aboveground gasoline storage tanks shall be emptied and the dispensing equipment either disconnected or locked to prevent use. [District Rule 2080] Federally Enforceable Through Title V Permit
2. While dormant, except for required venting, all fill and access locations and piping shall be sealed utilizing locked caps or concrete plugs. [District Rule 2080] Federally Enforceable Through Title V Permit
3. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
4. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
7. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
8. The Phase I, Phase II, and Standing Loss Control Vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622, and CH&SC 41950] Federally Enforceable Through Title V Permit
9. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
10. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
11. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] 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.

12. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
13. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit
14. No person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect or an equipment defect that is identified in any applicable ARB Executive Order until the following conditions have been met: 1) the defect has been repaired, replaced, or adjusted as necessary to correct the defect; 2) the District has been notified, and the District has reinspected the system or authorized the system for use (such authorization shall not include the authority to operate the equipment prior to the correction of the defective components); and 3) all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual. [District Rule 4622] Federally Enforceable Through Title V Permit
15. Upon identification of any major defects, the permittee shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. Tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use. [District Rule 4622] Federally Enforceable Through Title V Permit
16. The permittee shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with the requirements of this permit. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) copies of all vapor recovery performance tests; 2) all applicable ARB Executive Orders, Approval Letters, and District Permits; 3) the manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer; 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests required by this permit (the owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements), and 5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622] Federally Enforceable Through Title V Permit
17. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
18. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
19. Periodic maintenance inspections of the Phase II vapor recovery system shall include, at a minimum, verification that 1) the following nozzle components are in place and in good condition as specified in ARB Executive Order as applicable: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, and hold open latch (unless prohibited by law or the local fire control authority); 2) the hoses are not torn, flattened or crimped; 3) the vapor path of the coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid if applicable; and 4) the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit. [District Rule 4622] 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.

20. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
21. The gasoline throughput for this permit unit shall not exceed 182,500 gallons in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
23. The permittee shall perform and pass a Static Leak Test "Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Tanks" in accordance with the Executive Order specified in this permit for the Phase I Vapor Recovery System at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
24. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6C Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected according to the monitoring frequency as determined by monthly gasoline throughput. [District Rule 4622] Federally Enforceable Through Title V Permit
25. If a Liquid Condensate Trap is installed, the permittee shall perform and pass a Liquid Condensate Trap Compliance Test using the test procedure defined in the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
26. If a Liquid Condensate Trap is installed it shall be (1) maintained without leaks; (2) accessible for inspection upon request; (3) capable of automatic evacuation of liquid; and (4) equipped with an alarm system in case of failure of the evacuation system. [District Rule 4622] Federally Enforceable Through Title V Permit
27. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
28. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
29. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
30. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
31. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] 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.

32. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
33. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
34. Only white paint, listed in the Executive Order specified in this permit for the Standing Loss Control System, shall be applied to the tank. The surface of the tank shall be prepared and the white paint shall be applied per manufacturer's specification. [District Rule 4621] Federally Enforceable Through Title V Permit
35. The permittee shall maintain the following records: 1) receipt of sale that demonstrates the purchase date and amount of white paint purchased, 2) record of the name of personnel applying white paint to include the date of application, surface preparation description (i.e. scraping, sanding, abrasive blasting, primer etc.), method of application (i.e. brush, roller, air/airless sprayer), average ambient temperature (°F) during application, and atmospheric observations during application (i.e. sunny, cloudy, rain, etc.), 3) record of the name of personnel that installed the P/V vent valve, and 4) Technical Data Sheet and/or Material Safety Data Sheet of the white paint that describes the surface preparation, application, and material safety of the white paint. [District Rule 4621] Federally Enforceable Through Title V Permit
36. The permittee shall maintain monthly and annual gasoline throughput records. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
37. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-11-6

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

20,769 GPM COOLING TOWER WITH TWO CELLS AND A DRIFT ELIMINATOR

DRAFT

PERMIT UNIT REQUIREMENTS

1. While dormant, the make-up water and water fill line will have a blank flange installed and the blank flange will be locked. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]

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

DRAFT

ATTACHMENT B

Previous Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: C-825-0-4

EXPIRATION DATE: 11/30/2021

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] 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] 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
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

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: CES MENDOTA BECCS PLANT
Location: 400 GUILLEN PARKWAY, MENDOTA, CA 93640
C-825-0-4 : Dec 14 2022 1:44PM - ALEMANZ

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] Federally Enforceable Through Title V Permit
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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
40. The permittee shall submit a Risk Management Plan to the appropriate authority by June 21, 1999 and abide by all applicable sections of 40 CFR, Part 68, Chemical Accident Prevention Provisions. [40 CFR 68] Federally Enforceable Through Title V Permit
41. The reporting period of the Report of Required Monitoring and the Compliance Certification Report begin January 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of reporting period. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-1-4

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

890 BHP CATERPILLAR MODEL 3412 (TIER 0 UNCERTIFIED) DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] 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. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] 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, 5.7.4, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702, 3.15, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 6.4 lb-NOx/day, 0.6 lb-VOC(NMHC)/day, 1.7 lb-CO/day, 0.5 lb-SO2/day or 0.6 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Compliance with the daily emission limits may be demonstrated by reference to the manufacturer's guaranteed emission rates for this IC engine, the use of CARB diesel, and the hours of operation. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
8. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Ignition timing shall be certified by a qualified mechanic. Certification shall be retained with the engine operating records. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Diesel consumption shall not exceed 408 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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, 5.7.2 and CFR 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.

12. 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, 5.7.3] Federally Enforceable Through Title V Permit
13. 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, 3.15] Federally Enforceable Through Title V Permit
14. 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, 3.15] Federally Enforceable Through Title V Permit
15. 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, 6.2.3, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The permittee 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The permittee has 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. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee must maintain records of all required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
22. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action 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. [40 CFR 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.

23. 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 2520, 9.4.1 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, 6.2.3, 17 CCR 93115, and 40 CFR 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: C-825-3-10

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

FUEL RECEIVING AND UNLOADING OPERATION CONSISTING OF TWO (2) TRUCK TIPPERS, STORAGE YARD OPERATIONS, AND BATCH TRANSFER TO THE FUEL RECEIVING HOPPER

PERMIT UNIT REQUIREMENTS

1. While dormant, no fuel deliveries will be allowed by contract; the perimeter fencing shall be maintained; the gate will be locked; and the fuel yard will be maintained as empty. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. Particulate Matter (PM₁₀) emissions from this fuel receiving, unloading, and storage operation shall not exceed 114.2 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Water sprays shall be operated on material handling points whenever material is being transferred. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Fuel receiving rate shall not exceed 3,600 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Records of daily fuel materials received shall be maintained, retained on the premises for at least five years, and provided to the District upon request. [District Rules 2201 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Water truck shall be used to spray the grounds to control fugitive dust from vehicle and equipment traffic. [District Rule 2201] Federally Enforceable Through Title V Permit
12. For a given material process rate P (tons/hour), particulate matter (PM) emissions shall not exceed the hourly rate (E) as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$, if P is less than or equal to 30 tons per hour; or $E = 17.31 \times P^{0.16}$, P is greater than 30 tons per hour. [District Rule 4202] 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. Visible emissions shall be inspected annually using EPA Method 9 under material and environmental conditions where high emissions are expected, such as dry and windy. [District Rule 2520, 9.3] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of: (1) the date and time of visible emissions observations, (2) the opacity reading, and (3) a description of any corrective action taken to maintain the visible emissions within the acceptable range. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
15. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-4-10

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

BIOMASS FUEL HANDLING, PROCESSING, AND STORAGE OPERATION WITH ENCLOSED BELT CONVEYORS AND TRANSFER POINTS, RECLAIMERS, HAMMER HOG, HOG TOWER SERVED BY A BAGHOUSE AND A FUEL FEEDER SURGE BIN DUCTED TO THE MAIN BOILER EXHAUST PLENUM (C-825-5)

PERMIT UNIT REQUIREMENTS

1. While dormant, no fuel deliveries will be allowed by contract and the fuel yard will be maintained as empty. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. 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 Rule 2201] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
9. Particulate Matter (PM10) emissions from baghouse #1 serving the hammer hog tower (emergency reclaimer, fuel rationing conveyors, disc screens) shall not exceed 0.0005 lb/ton of handled fuel material. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate Matter (PM10) emissions from this fuel handling, processing, and storage operation shall not exceed 64.8 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Material removed from dust collectors shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The baghouses shall be equipped with an operational pressure differential gauge to indicate the pressure drop across each compartment. [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.

14. Fuel processing rate shall not exceed 1,200 tons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Visible emissions shall be checked monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted within 24 hours and the District shall be notified. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust collector filter shall be thoroughly inspected annually for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
18. Records of dust collector maintenance, inspections and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
19. Records of daily fuel materials handled shall be maintained, retained on the premises for at least five years, and provided to the District upon request. [District Rules 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
20. For a given material process rate P (tons/hour), particulate matter (PM) emissions shall not exceed the hourly rate (E) as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$, if P is less than or equal to 30 tons per hour; or $E = 17.31 \times P^{0.16}$, P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
21. The differential pressure gauge reading range for the baghouse shall be established per manufacturer's recommendation. [District Rule 2520, 9.3] Federally Enforceable Through Title V Permit
22. Differential operating pressure shall be monitored and recorded on each day that the baghouse operates. [District Rule 2520, 9.3] Federally Enforceable Through Title V Permit
23. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-5-20

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

30 MW POWER PRODUCTION FACILITY WITH A 317 MMBTU/HR BIOMASS AND NATURAL GAS-FIRED GOTAVERKEN CIRCULATING FLUIDIZED BED BOILER CONTROLLED WITH A MODULAR SIX-COMPARTMENT BAGHOUSE AND THERMAL DE-NOX SYSTEM AND WITH A CYCLONE, A SUPERHEATER, A STEAM DRUM, AN ECONOMIZER, AN AIR HEATER, A SAND SILO AND A LIMESTONE SILO EACH CONTROLLED WITH A DCE DALAMATIC MODEL # DLM-V20/10W BIN VENT FILTER, AN ENCLOSED ASH SILO, AND BOTTOM SAND DISCHARGE UNITS

PERMIT UNIT REQUIREMENTS

1. While dormant, a blank flange will be installed on the natural gas line and the flange will be locked; no fuel deliveries will be allowed by contract; the fuel yard will be maintained as empty. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Ammonia slip shall not exceed 25 ppmv at 3% O₂. [District Rule 4102]
9. Boiler fuels shall be limited to the following: saw mill residues (bark, sawdust, chips and shavings); forest residues; orchard and vineyard prunings including chipped whole tree wastes and materials listed in Appendix A to the Title V Permit, "Emission Factors for Open Burning of Agricultural Residues" (August 2000, Gaffney, P., California Air Resources Board Planning and Technical Support Division); clean unpainted urban wood waste; unpainted paper waste; nut shells; stone fruit pits; onion and garlic skins; and natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Natural gas shall be used only for startup and combustion stabilization (fuel not to exceed 25% annual BTU heat input). [District Rule 2201] Federally Enforceable Through Title V Permit
11. The permittee shall project and use the proper mix of fuels to ensure that all emissions are offset as required with credits from the use of creditable fuels. [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.

12. The permittee shall curtail operation proportionately and notify the District whenever, due to changes in the quantity or quality of wastes supplied, the emissions exceed the offsets. [District Rule 2201] Federally Enforceable Through Title V Permit
13. All stack emissions shall be completely offset with creditable biomass on an annual basis. Emission offsets shall be calculated using the formula $EC = (1/DF) \times \text{Sum}(A(i) \times EF(i))$, where: EC = Emission Credit (lb/yr), DF = Distance Factor, A(i) = Amount from each source (ton/yr), and EF(i) = Emission Factor for each source. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Distance Factor (DF) shall be 1.2 for sources within a 15 mile radius and 2.0 for sources outside the 15 mile radius. [District Rule 2201 and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
15. Open-burning emission factors used to determine the quantity of offsets available from the diversion of biomass from open-burning are listed in Appendix A, "Emission Factors for Open Burning of Agricultural Residues" (August 2000, Gaffney, P., California Air Resources Board Planning and Technical Support Division). A copy of Appendix A shall be retained on site and made available for District inspection upon request. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
16. Particulate matter (PM-10) emissions, except for periods of startup and shutdown as defined in District Rule 4352, shall not exceed any of the following: 0.010 gr/dscf @ 12% CO₂ of filterable particulate, 7.62 lb/hr of filterable particulate, or 14.3 lb/hr of filterable and condensable particulate. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Emissions shall not exceed any of the following limits: 247.2 lb-SO_x/day, 667.2 lb-NO_x/day, 928.8 lb-CO/day, 232.8 lb-VOC/day or 340.1 lb-PM₁₀/day. [District Rules 2201; 4301, 5.2; and 4352, 5.1; and 40 CFR 60.44b(i) and (h)] Federally Enforceable Through Title V Permit
18. For pollutants whose emission rates are not monitored by a CEMS (i.e. SO_x, CO, PM₁₀, and VOC), compliance with the hourly and daily emission limits shall be determined by using emission factors derived from the most recent source test. Compliance with the hourly emission rates shall be deemed compliance with the daily emission rates. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
19. Start-up operation is defined as the period of time during which a unit is heated to the operating temperature and pressure from a shutdown status. Shutdown operation is defined as the period of time during which a unit is taken from operational to nonoperational status by allowing it to cool down from its operating temperature and pressure to an ambient temperature. [District Rule 4352, 3.15, 3.18, and 5.3] Federally Enforceable Through Title V Permit
20. The duration of each start-up shall not exceed 96 hours. The duration of each shut down shall not exceed twelve (12) hours. [District Rule 4352, 5.3.1 and 5.3.2] Federally Enforceable Through Title V Permit
21. The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown. [District Rule 4352, 5.3.3] Federally Enforceable Through Title V Permit
22. Verification of all emission related data is the responsibility of the Permittee. Such verification shall be provided to the District upon request. [District Rule 2201 and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
23. Permittee shall perform annual source tests for PM₁₀, CO, SO_x as SO₂, VOC, and NO_x as NO₂. The District must be notified 30 days prior to any compliance source testing. A pretest plan outlining source test methods, approved contractor, test date, and operating parameters must be submitted to the District for approval at least 15 days prior to source sampling. [District Rules 1081, 7.1; 2201; and 4352, 6.2] Federally Enforceable Through Title V Permit
24. Source testing for SO_x shall be conducted using EPA Method 5 or 8 or a continuous emissions analyzer in accordance with EPA Method 6C. Source testing for NO_x shall be conducted using EPA Method 7E or CARB Method 100. Source testing for CO shall be conducted using EPA Method 10 or CARB Method 100. Source testing for hydrocarbons shall be conducted using EPA Method 18 or CARB Method 100. Source testing for particulate matter (PM) shall be conducted using EPA Method 5 and EPA Method 202. As an alternative to EPA Method 5, determination of the "front-half" fraction or filterable PM₁₀ may be conducted using EPA Method 201A. Source testing for stack gas velocity shall be conducted using EPA Method 2. Source testing for moisture content shall be conducted using EPA Method 4. [District Rules 2201; 2520, 9.3.2; 4352, 6.3.1; 40 CFR 60.46b(d) and 40 CFR 60.48a] 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.

25. All emissions measurements during a source test shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No compliance determination shall be established within two hours after a period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352, 6.2.2 and 6.2.3] Federally Enforceable Through Title V Permit
26. Source test reports shall be submitted to the District within 60 days after completion of source testing. [District Rules 1070 and 1081, 7.3] Federally Enforceable Through Title V Permit
27. Emissions during annual source tests shall not exceed any of the following limits: 27.8 lb-NOx/hr, 38.7 lb-CO/hr, 10.3 lb-SOx/hr, 9.7 lb-VOC/hr, 7.62 lb-filterable-PM10/hr and 14.3 lb-total-PM10/hr. [District Rules 2201; 4301, 5.2; and 4352, 5.1; and 40 CFR 60.43b(c); and 40 CFR 60.44b(d) and (l)] Federally Enforceable Through Title V Permit
28. Compliance with the daily NOx emission limit shall be based on a block 24-hour averaging period using CEM system data. [District Rule 4352, 5.2 and 40 CFR 60.44b(i)] Federally Enforceable Through Title V Permit
29. Permittee shall operate a Continuous Emissions Monitoring (CEM) system to monitor and record NOx concentrations and O2 concentrations, as well as the NOx emission rate whenever the boiler is operating. The CEM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The CEM system must also comply with 40 CFR 60 Appendix B, Performance Specifications 2, 3 and 6, and 40 CFR 60 Appendix F, Quality Assurance Procedures. Per Section 5.1.1 of Appendix F, at least once each calendar year, a Relative Accuracy Test Audit (RATA) must be conducted. Per Sections 5.1.2 and 5.1.3 of Appendix F, a Cylinder Gas Audit (CGA) and a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [District Rules 1080 and 4352, 5.4; and 40 CFR 60.7(c), 40 CFR 60.13, and 40 CFR 60.48b] Federally Enforceable Through Title V Permit
30. The continuous monitoring equipment must be linked to a data acquisition system that is accessible via modem. [District Rules 1080 and 4352, 5.4] Federally Enforceable Through Title V Permit
31. Permittee shall operate a Continuous Opacity Monitoring (COM) system to monitor and record opacity whenever the boiler is operating. The COM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The COM system must also satisfy Performance Specification 1 of 40 CFR 60 Appendix B. [District Rule 1080 and 40 CFR 60.7(c); and 40 CFR 60.13, 40 CFR 60.48b, and 40 CFR 64.3(a) and (d)] Federally Enforceable Through Title V Permit
32. A quarterly CEM and COM report shall be submitted to the District which includes the following: hours of operation, the date and time of each exceedance of emissions limits (including startup, shutdown, malfunctions or any other reason), the quantity of excess emissions, any conversion factors used to calculate excess emissions, the nature and cause of each malfunction, any corrective action taken and any preventive measures adopted, hours of CEM (and COM) down time, and the cause of all CEM (and COM) down time. [District Rules 1080 and 4352, 5.4; and 40 CFR 60.49b(h), and 40 CFR 64.3(d)(i)] Federally Enforceable Through Title V Permit
33. Quarterly reports shall be submitted to the District within 30 days after the end of each calendar quarter. [District Rules 1080 and 4352, 5.4] Federally Enforceable Through Title V Permit
34. In cases of CEMS breakdown, malfunction, repairs, calibration checks, and adjustments, emission data shall be obtained as described in paragraph f of 40 CFR 60.48b. [40 CFR 60.48b(f)] Federally Enforceable Through Title V Permit
35. All quarterly NOx (CEM) and opacity (COM) reports required by this permit may be submitted to the District electronically in lieu of a written submittal. [40 CFR 60.49b(v)] Federally Enforceable Through Title V Permit
36. Baghouse shall be operated whenever the biomass combustor is operating. [District Rule 2201 and 40 CFR 64.3(a)] Federally Enforceable Through Title V Permit
37. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR 64.3(a)] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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38. Visible emissions from the baghouse serving solid fuel-fired boiler shall not equal or exceed 20% opacity for a period or periods aggregating more than three minutes in one hour as determined by the continuous opacity monitor (COM). [District Rules 2201 and 4101, 40 CFR 60.43b(f), and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
39. Pressure drop across the baghouse shall be maintained between 4 and 9 inches water column. [District Rule 2201 and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
40. Pressure drop across baghouse shall be observed and recorded at least once per day during operation of this unit. [District Rule 2520, 9.3.2 and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
41. Upon detecting any excursion from the acceptable range of baghouse differential pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. If the daily average baghouse differential pressure reading is not within the acceptable established range for two consecutive days, permittee shall notify the APCO of such exceedance within 96 hours. [40 CFR 64.7] Federally Enforceable Through Title V Permit
42. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR 64.7] Federally Enforceable Through Title V Permit
43. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.7(d)(2) and 40 CFR 64.8] Federally Enforceable Through Title V Permit
44. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
45. Replacement bags numbering at least 10% of the total number of bags shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
46. The baghouse shall be equipped with multiple compartments having fire detection systems. [District Rule 2201] Federally Enforceable Through Title V Permit
47. The dust collection system shall be thoroughly inspected quarterly for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be repaired as needed. [District Rules 1070; 2201; and 2520, 9.3.2] Federally Enforceable Through Title V Permit
48. Records of dust collector maintenance, inspection, and repair shall be maintained for five years and provided to the District upon request. The record shall include identification of the equipment, date of inspection, corrective action taken and identification of the individual performing the inspection. [District Rule 2520, 9.4.1, 9.4.2] Federally Enforceable Through Title V Permit
49. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
50. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 ton per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
51. Permittee shall record the type, mass, and geographic origin of all creditable biomass received on a daily basis. [District Rules 2201 and 4352, 6.1.1] Federally Enforceable Through Title V Permit
52. Permittee shall record on a monthly basis the higher heating value of all fuels used. [District Rule 4352, 6.1.1] Federally Enforceable Through Title V Permit
53. The higher heating value of all solids fuels shall be certified by a third-party supplier or determined by ASTM Methods D 5865-10 or E 711-87, or other test method(s) with prior written approval of the APCO, ARB, and EPA. [District Rule 4352, 6.3] 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.

54. Daily records for each load of creditable biomass received shall be maintained which include the date, weigh ticket number, supplier name, fuel type, tons received, the offset ratio for the load of biomass, and the amount of offset credit (in pounds of pollutant) attributable to each load of biomass. Records shall include certifications that any creditable biomass for which offset credit is claimed has historically been open burned in the San Joaquin Valley air basin. [District Rules 2201 and 4352, 6.1] Federally Enforceable Through Title V Permit
55. Daily records of creditable biomass received shall be used to determine annual offset compliance. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
56. The permittee shall record and maintain records of the amount of wood and natural gas fuel combusted each day, and calculate the annual capacity factor individually for wood and natural gas on a 12-month rolling average with a capacity factor calculated at the end of each month. [40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
57. The following CEMS records shall be kept for each steam generating unit operating day: (1) Calendar date, (2) Average hourly NOx emission rate, (3) The 24-hour average NOx emission rate (lb-NOx/hr) calculated at the end of each steam generating unit operating day from the measured NOx emissions rate for the preceding 24 hours. (4) Identification of daily NOx limit exceedances including reason for exceedance and the corrective actions taken, (5) Identification of daily CEMS interruptions including reason for interruption and the corrective actions taken, (6) Identification of data exclusions and the reasons for the exclusion, (7) Identification of times that the pollutant concentration exceeded the full span of the CEMS, (8) Description of modifications to the CEMS, and (9) Results of daily CEMS drift tests and other tests required under Appendix F, Procedure 1. A report containing these records shall be submitted to the District upon request. [40 CFR 60.49b(g) and 40 CFR 60.49b(i)] Federally Enforceable Through Title V Permit
58. The permittee shall maintain a record of the opacity readings made by the COM. [40 CFR 60.49b(f)] Federally Enforceable Through Title V Permit
59. All records required by this permit shall be retained on site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4352, 6.1.2] Federally Enforceable Through Title V Permit
60. Emissions of combustion contaminants from the biomass boiler shall not exceed 10 lb/hr. Combustion contaminants are defined as total PM (filterable plus condensable) minus the ammonium salts (e.g. ammonium chloride, ammonium sulfate, ammonium bisulfate, etc.) present in the condensable PM fraction. Compliance with this emission limit shall be demonstrated annually by source test conducted according to EPA Methods 5 and 202 (or other methods approved by the APCO, ARB, and EPA). Ammonium salts in the condensable PM fraction shall be determined by analysis of the condensable PM fraction by ion chromatography (or other method approved by the APCO, ARB, and EPA). [District Rules 1020, 3.12; 2520, 9.3; and 4301, 5.2.3] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-8-4

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

245 BHP DETROIT MODEL DOFP-04AT-1 (TIER 0 UNCERTIFIED) DIESEL-FIRED EMERGENCY IC ENGINE
POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801] 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. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801; and 17 CCR 93115] 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, 5.7.4; 17 CCR 93115; and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following: 0.2 lb-PM10/hr, 1.0 lb-SOx/hr, 9.4 lb-NOx/hr, 4.8 lb-CO/hr, or 0.3 lb-VOC (NMHC)/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Compliance with the emission limits may be demonstrated by reference to the manufacturer's guaranteed emission rates for this IC engine and the use of CARB diesel. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
7. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Injection timing of the engine shall be inspected, adjusted, and certified annually by a qualified mechanic according to the manufacturer's specification. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Fuel oil consumption shall not exceed 13.3 gallons per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for maintenance, testing, and 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", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 4.3.1; 17 CCR 93115; and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
11. 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, 3.15] Federally Enforceable Through Title V Permit
12. 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, 3.15] 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 permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). 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, 6.2.3; 17 CCR 93115; and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. 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, 5.7.2 and CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The permittee 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. 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 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. The permittee has 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. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The permittee must maintain records of all required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
21. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action 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. [40 CFR 63 Subpart ZZZZ] 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 2520, 9.4.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
23. 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, 6.2.3; 17 CCR 93115; and 40 CFR 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: C-825-9-10

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 2,000 GALLON SPLIT (500 GALLON GASOLINE/1,500 GALLON DIESEL) ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-301-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-160)

PERMIT UNIT REQUIREMENTS

1. While dormant, the aboveground gasoline storage tanks shall be emptied and the dispensing equipment either disconnected or locked to prevent use. [District Rule 2080] Federally Enforceable Through Title V Permit
2. While dormant, except for required venting, all fill and access locations and piping shall be sealed utilizing locked caps or concrete plugs. [District Rule 2080] Federally Enforceable Through Title V Permit
3. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
4. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
7. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
8. The Phase I, Phase II, and Standing Loss Control Vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622, and CH&SC 41950] Federally Enforceable Through Title V Permit
9. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
10. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
11. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
13. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit
14. No person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect or an equipment defect that is identified in any applicable ARB Executive Order until the following conditions have been met: 1) the defect has been repaired, replaced, or adjusted as necessary to correct the defect; 2) the District has been notified, and the District has reinspected the system or authorized the system for use (such authorization shall not include the authority to operate the equipment prior to the correction of the defective components); and 3) all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual. [District Rule 4622] Federally Enforceable Through Title V Permit
15. Upon identification of any major defects, the permittee shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. Tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use. [District Rule 4622] Federally Enforceable Through Title V Permit
16. The permittee shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with the requirements of this permit. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) copies of all vapor recovery performance tests; 2) all applicable ARB Executive Orders, Approval Letters, and District Permits; 3) the manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer; 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests required by this permit (the owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements), and 5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622] Federally Enforceable Through Title V Permit
17. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
18. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
19. Periodic maintenance inspections of the Phase II vapor recovery system shall include, at a minimum, verification that 1) the following nozzle components are in place and in good condition as specified in ARB Executive Order as applicable: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, and hold open latch (unless prohibited by law or the local fire control authority); 2) the hoses are not torn, flattened or crimped; 3) the vapor path of the coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid if applicable; and 4) the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit. [District Rule 4622] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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20. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
21. The gasoline throughput for this permit unit shall not exceed 182,500 gallons in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
23. The permittee shall perform and pass a Static Leak Test "Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Tanks" in accordance with the Executive Order specified in this permit for the Phase I Vapor Recovery System at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
24. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6C Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected according to the monitoring frequency as determined by monthly gasoline throughput. [District Rule 4622] Federally Enforceable Through Title V Permit
25. If a Liquid Condensate Trap is installed, the permittee shall perform and pass a Liquid Condensate Trap Compliance Test using the test procedure defined in the Executive Order specified in this permit for the Phase II Vapor Recovery System at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
26. If a Liquid Condensate Trap is installed it shall be (1) maintained without leaks; (2) accessible for inspection upon request; (3) capable of automatic evacuation of liquid; and (4) equipped with an alarm system in case of failure of the evacuation system. [District Rule 4622] Federally Enforceable Through Title V Permit
27. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
28. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
29. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
30. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
31. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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32. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
33. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
34. Only white paint, listed in the Executive Order specified in this permit for the Standing Loss Control System, shall be applied to the tank. The surface of the tank shall be prepared and the white paint shall be applied per manufacturer's specification. [District Rule 4621] Federally Enforceable Through Title V Permit
35. The permittee shall maintain the following records: 1) receipt of sale that demonstrates the purchase date and amount of white paint purchased, 2) record of the name of personnel applying white paint to include the date of application, surface preparation description (i.e. scraping, sanding, abrasive blasting, primer etc.), method of application (i.e. brush, roller, air/airless sprayer), average ambient temperature (°F) during application, and atmospheric observations during application (i.e. sunny, cloudy, rain, etc.), 3) record of the name of personnel that installed the P/V vent valve, and 4) Technical Data Sheet and/or Material Safety Data Sheet of the white paint that describes the surface preparation, application, and material safety of the white paint. [District Rule 4621] Federally Enforceable Through Title V Permit
36. The permittee shall maintain monthly and annual gasoline throughput records. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
37. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-825-11-5

EXPIRATION DATE: 11/30/2021

EQUIPMENT DESCRIPTION:

20,769 GPM COOLING TOWER WITH TWO CELLS AND A DRIFT ELIMINATOR

PERMIT UNIT REQUIREMENTS

1. While dormant, the make-up water and water fill line will have a blank flange installed and the blank flange will be locked. [District Rule 2080] Federally Enforceable Through Title V Permit
2. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Upon recommencing operation of this unit, normal source testing shall resume. [District Rule 2080] Federally Enforceable Through Title V Permit
5. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
8. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]

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

ATTACHMENT C

Detailed Summary List of Facility Permits

Detailed Facility Report
For Facility=825 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

CES MENDOTA BECCS PLANT 400 GUILLEN PARKWAY MENDOTA, CA 93640	FAC #	C 825	TYPE:	TitleV	EXPIRE ON:	11/30/2021
	STATUS:	A	TOXIC ID:	40155	AREA:	4 / 308
	TELEPHONE:				INSP. DATE:	02/23

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-825-1-4	890 bhp IC engine	3020-10 E	1	723.00	723.00	A	890 BHP CATERPILLAR MODEL 3412 (TIER 0 UNCERTIFIED) DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-825-3-10	Electrical generation component	999-99	1	0.00	0.00	A	FUEL RECEIVING AND UNLOADING OPERATION CONSISTING OF TWO (2) TRUCK TIPPERS, STORAGE YARD OPERATIONS, AND BATCH TRANSFER TO THE FUEL RECEIVING HOPPER
C-825-4-10	Electrical generation component	999-99	1	0.00	0.00	A	BIOMASS FUEL HANDLING, PROCESSING, AND STORAGE OPERATION WITH ENCLOSED BELT CONVEYORS AND TRANSFER POINTS, RECLAIMERS, HAMMER HOG, HOG TOWER SERVED BY A BAGHOUSE AND A FUEL FEEDER SURGE BIN DUCTED TO THE MAIN BOILER EXHAUST PLENUM (C-825-5)
C-825-5-20	30,000 kW electrical generation	3020-08A F	1	9,803.00	9,803.00	A	30 MW POWER PRODUCTION FACILITY WITH A 317 MMBTU/HR BIOMASS AND NATURAL GAS-FIRED GOTAVERKEN CIRCULATING FLUIDIZED BED BOILER CONTROLLED WITH A MODULAR SIX-COMPARTMENT BAGHOUSE AND THERMAL DE-NOX SYSTEM AND WITH A CYCLONE, A SUPERHEATER, A STEAM DRUM, AN ECONOMIZER, AN AIR HEATER, A SAND SILO AND A LIMESTONE SILO EACH CONTROLLED WITH A DCE DALAMATIC MODEL # DLM-V20/10W BIN VENT FILTER, AN ENCLOSED ASH SILO, AND BOTTOM SAND DISCHARGE UNITS
C-825-8-4	245 bhp IC engine	3020-10 C	1	290.00	290.00	A	245 BHP DETROIT MODEL DOFP-04AT-1 (TIER 0 UNCERTIFIED) DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP
C-825-9-10	One nozzle	3020-11 A	1	42.00	42.00	A	GASOLINE DISPENSING OPERATION WITH ONE 2,000 GALLON SPLIT (500 GALLON GASOLINE/1,500 GALLON DIESEL) ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-301-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-160)
C-825-11-5	Electrical generation component	999-99	1	0.00	0.00	A	20,769 GPM COOLING TOWER WITH TWO CELLS AND A DRIFT ELIMINATOR

Number of Facilities Reported: 1