



June 14, 2023

Mr. Terry Brittingham  
Mt. Poso Cogeneration Company, LLC  
PO Box 81256  
Bakersfield, CA 93380-1256

**Re: Notice of Preliminary Decision – Title V Permit Renewal**  
**Facility Number: S-91**  
**Project Number: S-1220310**

Dear Mr. Brittingham:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Mt. Poso Cogeneration Company, LLC at 36157 Famoso Highway, Bakersfield, California.

The notice of preliminary decision for this project has been posted on the District's website ([www.valleyair.org](http://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

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Executive Director/Air Pollution Control Officer

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**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation  
Mt Poso Cogeneration Co LLC  
S-91**

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# **TITLE V PERMIT RENEWAL EVALUATION**

## **49.9 MW Cogeneration Plant**

**Engineer:** Zeferino Aleman  
**Date:** June 14, 2023

**Facility Number:** S-91  
**Facility Name:** Mt Poso Cogeneration Company LLC  
**Mailing Address:** PO Box 81256  
Bakersfield, CA 93380-1256

**Contact Name:** Terry Brittingham  
**Phone:** (661) 393-8891

**Responsible Official:** Terry Brittingham  
**Title:** Plant Manager

**Project # :** S-1220310  
**Deemed Complete:** March 24, 2022

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### **I. PROPOSAL**

Mt Poso Cogeneration Co LLC was issued their last renewed Title V permit on September 20, 2017. As required by District Rule 2520, the applicant is requesting a permit renewal. Mt Poso Cogeneration Co LLC submitted an application to renew their Title V permit on February 23, 2022, 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 initial Title V permit.

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**

Mt Poso Cogeneration Company LLC is located at Heavy Oil Central, 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 is requesting to use the following model general permit template:

#### **A. Template SJV-UM-0-3 Facility Wide Umbrella**

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

### **V. SCOPE OF EPA AND PUBLIC REVIEW**

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

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

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

Conditions 1 through 22 and 26 through 40 of the requirements for permit unit S-91-0-5.

### **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)<sup>1</sup>
- 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)<sup>2</sup>
- 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 August 11, 2011 ⇒ amended March 24, 2021)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended June 18, 2008 ⇒ amended April 10, 2020)

## **B. Rules 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)

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<sup>1</sup> District Rule 4352 was amended on December 16, 2021, however the amended rule is not SIP-Approved by EPA; therefore, conditions 37, 38, 40, 41, 58, 73, 74, 75, 77, 84, 85, 86, and 88 for permit unit S-91-3 are still valid.

<sup>2</sup> District Rule 4702 was amended on August 19, 2021, however the amended rule is not SIP-Approved by EPA; therefore, conditions 4, 10, 11, 12, and 13 for permit unit S-91-12 are both still valid.

- Tulare County Rule 111, Equipment Breakdown (SIP approved 8/22/1977  
⇒ District resolution to rescind from SIP 2/17/2022)

### **C. Rules Added**

There were no applicable rules that were added since the last Title V Renewal.

### **D. Rules Not Updated**

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 1160, Emission Statements (amended November 18, 1992)
- 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 2410, Prevention of Significant Deterioration (amended June 16, 2011)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4201, Particulate Matter Concentration (December 17, 1992)
- District Rule 4301, Fuel Burning Equipment (December 17, 1992)
- District Rule 4641, Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations (amended December 17, 1992)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)

- District Rule 8011, General Requirements (amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and other Earthmoving Activities (amended August 19, 2004)
- District Rule 8031, Bulk Materials (amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Open Areas (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Areas (amended September 16, 2004)
- 40 CFR Part 60, Subpart A, General Provisions (amended February 12, 1999)
- 40 CFR Part 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (amended February 16, 2012)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended July 11, 2006)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)
- 40 CFR Part 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters (amended March 21, 2011)
- 40 CFR Part 63, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources (amended September 14, 2016)
- 40 CFR Part 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units (amended February 6, 2012)

## 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 Kern County Rule 111. Kern County Rule 111 was adopted on April 18, 1972 and incorporated into the SIP on December 9, 1981.

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 Kern County Rule 111 from the SIP, conditions 1 and 2 of the proposed requirements of the facility-wide permit S-91-0-5, which reference District Rule 1100 and were federally



enforceable through Kern County Rule 111, are no longer federally enforceable. Condition 11 of the proposed requirements of the facility-wide permit S-91-0-5, 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
S-91-0-5	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 #
S-91-0-5	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
S-91-0-5	Facility-Wide Permit	46
S-91-3-27	49.9 MW Coal/Biomass and Tire Derived Fuel (TDF) Fired Atmospheric Circulating Fluidized Bed Combustor Cogeneration Power Plant	1 & 28
S-91-12-4	220 bhp (intermittent) Clark/John Deere model JU6H-UFADPO Tier 3 Certified Diesel-Fired Emergency IC Engine powering a Firewater Pump	7

- 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 #
S-91-8-5	36,000 GPM Hamon model #3374 Three-Cell Cooling Tower with 1,450 hp Total	1

- 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 conditions are 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 #
S-91-12-4	890 bhp diesel-fired emergency IC engine	3, 4, 5, 6, 10, 11, and 12

## 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 S-91-0-5 are no longer Federally Enforceable. Additionally, only Kern County Rules will be referenced since this facility resides in Kern County.

**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**

The amendments to Rule 2520 only affect the public notice procedures. No changes to the permit were required to address the amendments.

**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*,<sup>3</sup> 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,<sup>4</sup> 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.

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<sup>3</sup> 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>

<sup>4</sup> 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](https://ww2.arb.ca.gov/sites/default/files/2020-05/10602_scm_final.pdf)

Rule 4601, Table 1 - VOC Content Limits for Coatings <sup>1</sup>		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
<b>Flat Coatings</b>	50	50
<b>Nonflat Coatings</b>	100	50
<b>Specialty Coatings</b>	-	-
Aluminum Roof Coatings	400	100
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 <sup>2</sup>	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

<b>Rule 4601, Table 1 - VOC Content Limits for Coatings<sup>1</sup></b>		
<b>COATING CATEGORY</b>	<b>Previous VOC Limit (g/l)</b>	<b>VOC Limit (g/l) Effective on and after 1/1/2022</b>
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.

<b>Rule 4601, Table 2 VOC Content Limits for Colorants<sup>1</sup></b>	
<b>Colorants Added To</b>	<b>VOC Limit (g/l) Effective on and after 1/1/2022</b>
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.

<b>Permit Unit #</b>	<b>Permit Description</b>	<b>Condition #s</b>
S-91-0-5	Facility-Wide Permit	23-25

#### **F. 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 <sub>x</sub>	20,000
SO <sub>x</sub>	140,000
PM <sub>10</sub>	140,000
CO	200,000
VOC	20,000

a. S-91-1-15: Coal, Biomass, Bottom Ash, Sand and Lime Cake Receiving, Handling and Storage operation and Tire Derived Fuel (TDF) Receiving and Transferring Operation

This operation consists of two emissions units that only emit PM<sub>10</sub>. A truck unloading operation with water misting for dust suppression and a storage silo with two day bins all with bin vent filters.

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 characteristic.”

The permit unit includes limits for PM<sub>10</sub> emissions and utilizes a water/misting 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 PM<sub>10</sub> emissions.

Additionally, silos and day bins require an opening to allow displaced air to escape when filling the units. The storage silo and day bins require the bin vent filters to recover material entrained in the volume of displaced air when filling the units. Because the bin vent filters are inherent to the process, CAM is not required for these emission units.

- b. S-91-2-8: Limestone Storage, Handling and Receiving Operation including 39,900 Gallon Storage Silo with Fabric Collector and Exhaust Fan, Two Rotary Air Lock Feeders, Two Weigh Belt Feeders and Two Rotary Air Locks

PM<sub>10</sub> is the only pollutant emitted from this unit. Silos require an opening to allow displaced air to escape when filling the unit. The storage silo requires the bin vent filter to recover material entrained in the volume of displaced air when filling the unit. Because the bin vent filter is inherent to the process, CAM is not required for these emission units.

- c. S-91-3-27: 49.9 MW Coal/Biomass and Tire Derived Fuel (TDF) Fired Atmospheric Circulating Fluidized Bed Combustor Cogeneration Power Plant

Emissions from this unit include NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC. The unit has a continuous emissions monitoring system (CEMS) for NO<sub>x</sub>, SO<sub>x</sub>, and CO. Therefore, CAM for NO<sub>x</sub>, SO<sub>x</sub>, and CO emissions is satisfied by the condition requiring CEMS to be installed, calibrated, maintained, and data recorded. The unit does not include a control device for VOC emissions; therefore, CAM is not triggered for VOC. The unit does include an emission limit for PM<sub>10</sub>, a control device for PM<sub>10</sub> (a baghouse), and the uncontrolled PM<sub>10</sub> emission rate is greater than the PM<sub>10</sub> Major Source Threshold. Therefore, CAM is triggered for PM<sub>10</sub> emissions. CAM for PM<sub>10</sub> from this unit was previously evaluated in District Project N-1040424 and was determined to be the use of a continuous opacity monitoring system and the use of a baghouse differential pressure gauge to monitor the differential pressure in the fabric filter baghouse. The following conditions satisfy CAM requirements for this permit unit:

Permit Unit #	Permit Description	Condition #
S-91-3-27	49.9 MW Coal/Biomass and Tire Derived Fuel (TDF) Fired Atmospheric Circulating Fluidized Bed Combustor Cogeneration Power Plant	47, 48, 49, 50, 51, 52, 53, 54, 55, and 57

- d. S-91-4-11: Bottom Ash and Fly Ash Handling, Storage and Loadout Operation including Pug Mill with Electric Motor Horsepower not to Exceed 298 hp

PM<sub>10</sub> is the only pollutant emitted from this unit. This unit has an emissions limit for PM<sub>10</sub> and an add-on control. The permit unit is limited to 0.0 lb-PM<sub>10</sub>/hour, rounded down from 0.0049 lb-PM<sub>10</sub>/hr calculated on a control efficiency of 99% for the baghouse.



Uncontrolled emissions are calculated as follows:

$$\begin{aligned} PE_{\text{Uncontrolled}} &= PE_{\text{controlled}} \div (1-0.99) \\ &= 0.0049 \text{ lb-PM}_{10}/\text{hr} \times 24 \text{ hr/day} \times 365 \text{ day/yr} \div (1-0.99) \\ &= 4,292 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

The uncontrolled PM<sub>10</sub> emissions for this permit unit are less than the major source threshold; therefore, CAM is not required for this emissions unit.

- e. S-91-5-5: 24,600 Gallon Water Treatment Lime Storage Silo including Fabric Collector with 5 hp Fan, One 1,000 lbm/hr Silo Discharge Activator and One 1,000 lbm/hr Enclosed Volumetric Feeder

PM<sub>10</sub> is the only pollutant emitted from this unit. This unit has an emissions limit for PM<sub>10</sub> and an add-on control for the silo and associated equipment. The permit unit is limited to 0.17 lb-PM<sub>10</sub>/hour at three hours calculated on a control efficiency of 99% for the baghouse.

Uncontrolled emissions are calculated as follows:

$$\begin{aligned} PE_{\text{Uncontrolled}} &= PE_{\text{controlled}} \div (1-0.99) \\ &= 0.17 \text{ lb-PM}_{10}/\text{hr} \times 3 \text{ hr/day} \times 365 \text{ day/yr} \div (1-0.99) \\ &= 18,615 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

The uncontrolled PM<sub>10</sub> emissions for this permit unit are less than the major source threshold; therefore, CAM is not required for this emissions unit.

- f. S-91-8-5: 36,000 GPM Hamon model #3374 Three-Cell Cooling Tower with 1,450 hp total

This unit does not have an emissions limit; therefore, CAM is not applicable.

- g. S-91-9-6: Petroleum Coke Receiving, Unloading and Open Storage Operation

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

- h. S-91-10-7: Biomass Receiving, Conveying, Screening and Storage Operation, Including One Truck Tipper w/ Hoppers, Two Walking Floor Unloading Stations w/ Hoppers, One Hammer Mill (HOG), Four Transfer Towers, One Radial Stacker, all Served by Surfactant Spray System, and

an Open Fuel Yard Unloading Area equipped with Permit Exempt Surfactant Spray

- i. S-91-11-8: Biomass Reclaiming Operation with One Reclaimer, Conveyors, Screen, Screened Fines Discharging to Truck Loadout Conveyor, Screened Fuel Conveyed to Combustor Fuel Bin all Served by Surfactant Spray System, with Additional Fuel Loading Ability via Front End Loader

From project S-1183508, these permit units replaced all baghouses with water/surfactant for control of PM<sub>10</sub> emissions. The water/surfactant spray systems are assumed to have equal control efficiency to the baghouses being removed, which is 99% control efficiency<sup>5</sup>.

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 characteristic.”

The permit unit includes limit for PM<sub>10</sub> emissions and utilizes a water/surfactant 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 PM<sub>10</sub> emissions.

- j. S-91-12-4: 220 bhp (intermittent) Clark/John Deere model JU6H-UFADPO Tier 3 Certified Diesel-Fired Emergency IC Engine Powering a Firewater Pump

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

## 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.

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<sup>5</sup> PM<sub>10</sub> control using water/surfactant without use of baghouses was examined as an Experimental Research Exemption project. The research findings documented in an October 17, 2018 report to the District stated that the use of water/surfactant for control of PM<sub>10</sub> in the fuel yard was more effective than the existing baghouses.

**A. Requirements Addressed by Model General Permit Templates**

1. Model General Permit Template SJV-UM-0-3

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template is included as conditions 39 and 40 of the facility-wide requirements (S-91-0-5).

**B. Requirements not Addressed by Model General Permit Templates**

The applicant has not proposed any new permit shield for non-model template requirements.

**C. Obsolete Permit Shields From Existing Permit Requirements**

There were no obsolete permit shields listed in the existing permit requirements.

**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

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

**FACILITY:** S-91-0-5

**EXPIRATION DATE:** 08/31/2022

## 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 and Kern County Rule 111]
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 and Kern County Rule 111]
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: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-0-5 : Jun 14 2023 1:07PM - 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

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

22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating or colorant with a VOC content in excess of the applicable limits specified in Table 1 (Coatings) and Table 2 (Colorants) of District rule 4601 (4/16/20), unless exempted under Section 4.0 of District Rule 4601 (4/16/20). [District Rule 4601] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (4/16/20) shall be stored in closed containers when not in use. [District Rule 4601] 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 (4/16/20). [District Rule 4601] 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

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



34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Kern County Rules 401 and 202. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. {4401} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. Equipment covered by this permit shall at all times be maintained in good working order and be operated as efficiently as possible so to minimize air pollutant emissions. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
42. In the event of changes in control or ownership, this Operating Permit shall be binding on new owners and operators. The applicant shall notify successor of the existence of this Operating Permit and its conditions in writing and forward a copy to the District, California Air Resources Board, and EPA. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
43. The applicant shall construct and operate the facility in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and District air quality regulations. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
44. Should additional guidance related to the June 3, 1986 PSD remand be developed, MPCC shall provide to EPA any such analysis, data or demonstration of compliance with other requirements within the time required by such guidance. [PSD ATC SJ 86-09] 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.

45. All correspondence as required by this Operating Permit shall be forwarded to: the District; Director, Air & Toxics Div. (Attn: A-3-3), EPA Region 9, 75 Hawthorne St. San Francisco, CA 94105; and Director, Stationary Source Div., CARB, Box 2815, Sacramento, CA 95812. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
46. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
47. All wells using steam produced by this facility shall be listed on Macpherson Oil Company permit S-1703-134. [District NSR Rule] Federally Enforceable Through Title V Permit
48. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68] Federally Enforceable Through Title V Permit
49. The lead content of the fuel shall be monitored such that the lead emissions from the facility do not exceed the PSD significance level of 0.6 TPY. The facility is required to demonstrate, at least annually, that lead emissions are below the PSD significance level. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
50. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin April 28 of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-1-15

**EXPIRATION DATE:** 08/31/2022

**SECTION:** 18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

COAL, BIOMASS, BOTTOM ASH, SAND AND LIME CAKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION

## PERMIT UNIT REQUIREMENTS

1. While dormant, coal/petroleum coke, biomass, bottom ash, or sand and lime cake shall not be received, handled, or stored for processing by this permit unit. [District Rule 2080] Federally Enforceable Through Title V Permit
2. While dormant, the fuel line shall be physically disconnected from the unit. [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. Operation shall include two receiving hoppers in drive through enclosure with automatically closing doors at entrance, Lot Sonic Development automatically activated ST-47 Dry Fog dust suppression system with 58 nozzles and dust curtains at exit. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Operation shall include two enclosed under hopper vibrating feeders and one "en-masse" conveyor with magnetic separator. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall include a storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and one storage day bin with bin vent filter and exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Operation shall include an unloading hopper and transfer conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [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.

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-1-15 : Apr 28 2023 10:14AM - ALEMANZ

14. Operation shall include equipment to receive and transfer TDF, including: two enclosed discharge feeders, discharge conveyor, belt scale, inclined conveyors and delivery chute, all enclosed or covered. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Operation shall include Mikro-Pulseaire jet dust collector with 60 HP fan serving vibrating feeders, magnetic separator, silo and day bin bucket elevators, silo, ring crusher, "en masse" and petroleum coke transfer conveyors and day bins. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Truck receiving hopper enclosure shall be fully closed when trucks are in unloading position and spray nozzles shall be automatically activated at or prior to unloading. [District Rule 2201] Federally Enforceable Through Title V Permit
17. All conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All storage silos shall be dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) provisions to return collected material to process equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Each fabric collector shall automatically activate whenever process equipment served is activated. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Mikro-Pulseaire filter shall have 1696 sq. ft. of filtering area (144- 10 ft. long x 4.5 in. diameter bags). [District Rule 2201] Federally Enforceable Through Title V Permit
25. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District Rule 2201] Federally Enforceable Through Title V Permit
28. There shall be no visible emissions in excess of 5% opacity for a period or periods aggregating more than three minutes in any one hour at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Material handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Material shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Material shall only be unloaded using the equipment specified for that purpose on this permit, for each respective fuel type. [District Rule 2201] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

33. Total time of fuel unloading at this permit unit and permit unit S-91-9 together shall not exceed 8 aggregate hours/day. [District Rule 2201] Federally Enforceable Through Title V Permit
34. Permittee shall maintain a daily record of the hours of operation of fuel unloading at the enclosed truck receiving hoppers and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
35. All transfer points, coal/petroleum coke silo and day bins shall vent only to Mikro-Pulseaire bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
36. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
37. PM10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
38. PM10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
39. Fabric collection systems shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
40. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
41. The differential pressure across each compartment of the fabric collectors shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the fabric collectors is not between 1" and 7" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
42. Visible emissions from the operation shall be checked and record results quarterly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
43. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [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:** S-91-2-8

**EXPIRATION DATE:** 08/31/2022

**SECTION:** 18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

LIMESTONE STORAGE, HANDLING AND RECEIVING OPERATION INCLUDING 39,900 GALLON STORAGE SILO WITH FABRIC COLLECTOR AND EXHAUST FAN, TWO ROTARY AIR LOCK FEEDERS, TWO WEIGH BELT FEEDERS AND TWO ROTARY AIR LOCKS

## PERMIT UNIT REQUIREMENTS

1. Limestone storage silo shall be dust-tight and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Fabric collector shall be equipped with automatically activated reverse pulse jet cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Fabric collector shall be equipped with dust-tight provisions to return collected material to limestone storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fabric collector shall have 25 - 7 ft. long x 5.75 in. diameter polyester bags. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
8. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
9. PM10 emission rate from this operation shall not exceed 0.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. There shall be no detectable emissions from any source whatsoever in this permit unit. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Limestone shall only be transferred into this silo if the fabric collectors are operating and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
13. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

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14. Visible emissions from storage silo shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
15. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [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:** S-91-3-27

**EXPIRATION DATE:** 08/31/2022

**SECTION:** 18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

49.9 MW COAL/BIOMASS AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT

## PERMIT UNIT REQUIREMENTS

1. Biomass introduced into the combustor shall not contain more than 2% by weight non-biomass material (plastics, metal, painted and preservative-treated wood, roofing material, fiberglass, etc.). [District Rule 4102]
2. At least once per quarter, operator shall collect a representative sample of the biomass material combusted and determine the weight percent of non-biomass material contained in that sample. Prior to collecting the first quarterly sample, operator shall submit a sampling plan to the District's compliance division for approval and shall follow the approved plan for all subsequent sampling, unless a revised plan is submitted and approved. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit
3. Operation shall include Ahlstrom Pyroflow atmospheric fluidized bed combustor incorporating low temperature staged combustion and ammonia injection (NOx control), and pulverized limestone/lime cake injection (SOx control). [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include enclosed gravimetric belt weigh feeder discharging to fuel feed chutes and enclosed limestone/lime cake volumetric feeder with air lock system. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include four natural gas-fired 62 MMBtu/hr Coen startup burners and two natural gas-fired 23 MMBtu/hr Coen duct burners. [District Rule 2201] Federally Enforceable Through Title V Permit
6. During startup of boiler, the unit shall be fired on one or a combination of natural gas or any other clean fuels specified in Subpart DDDDD. [40 CFR Part 63 Subpart DDDDD] Federally Enforceable Through Title V Permit
7. Operation shall include two fly ash recycle cyclones, air heater with two fly ash hoppers, economizer and ash handling system. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Operation shall include 1250 HP primary combustion air fan, 500 HP secondary combustion air fan and 150 HP multi-staged centrifugal fluidizing air blower. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Operation shall include 12 compartment fabric collector with 1750 HP induced draft fan, reverse air cleaning mechanism and 100 HP reverse air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall include one sand storage silo with bin vent filter and exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fabric collector shall include a minimum of 134,230 sq. ft. of filtering area, fly ash hopper, d.p. transmitter, capacitance type high level detector, vibrator and aeration pad. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fly ash collected at fabric collector shall be discharged only to fly ash handling system. [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.

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

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13. Ash shall only be removed from combustion system by means authorized in Permit to Operate S-91-4. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Operation shall be equipped with the following indicators: combustion temperature, combustion air system pressure, primary and secondary fan air flow, ammonia injection flow, fuel use rate and limestone/lime cake use rate. The permittee shall operate and maintain instrumentation to continuously monitor and record levels of combustion temperature, consumption of fuel, ammonia, and limestone/lime cake in boiler. [District Rules 2201 and 2410] Federally Enforceable Through Title V Permit
15. Permittee shall vent emissions to the main stack(s) when firing the unit on fuels other than natural gas and shall engage all of the applicable control devices except limestone injection in fluidized bed combustion boilers, fabric filter, and selective non-catalytic reduction. [40 CFR Part 63 Subpart DDDDD] Federally Enforceable Through Title V Permit
16. Each fabric collector compartment shall be equipped with access door and differential pressure indicator. The differential pressure across each compartment shall be maintained between 2" and 9.5" water column. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Fabric collector inlet shall be equipped with operational pressure indicator and high temperature alarm which activates prior to high temperature failure. The pressure shall not exceed negative 35" water column. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Fabric collector shall be equipped with automatic cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
19. All combustor exhaust gas shall pass through fabric collector prior to being emitted to atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Unit shall be operated as a low temperature combustor with a peak temperature range of 1550 to 1750 deg F. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Unit shall be operated as a staged combustion device by introducing a substoichiometric amount of combustion air into primary combustion zone. [District Rule 2201] Federally Enforceable Through Title V Permit
22. There shall be no provisions for introduction of air into combustion system or exhaust system downstream of the combustion chamber except for air utilized for cyclone center pipe supports and cooling. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The sum of the combined coal and tire derived fuel throughput and 1/2 times the throughput of biomass introduced into the combustor shall not exceed 1,400,000 lbs/day and 58,333 lbs/hr (on a dry basis). Solid fuel introduced into the combustor shall contain no more than 4.0% by weight sulfur. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
24. Of the total fuel introduced into the combustor, no more than 154,000 lbs per day (on a dry basis) shall be TDF. [District Rule 2201] Federally Enforceable Through Title V Permit
25. "Biomass" means any organic material not derived from fossil fuels, such as agricultural crop residue, orchard prunings and removal, stone fruit pits, nut shells, cotton gin trash, cotton stalks, vineyard prunings, cull logs, eucalyptus logs, bark, lawn, yard and garden clippings, leaves, silvicultural residue, tree and brush pruning, wood and wood chips, and wood waste. Biomass does not include material containing sewage sludge or industrial, hazardous, radioactive or municipal solid waste. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
26. Wood waste includes clean, chipped wood products, plywood, wood products manufacturing wood materials, construction and demolition wood materials, and wood pallets, crates and boxes. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
27. Limestone/lime cake shall be introduced into combustor at a rate sufficient to maintain a minimum Ca/S molar ratio of 3, except when combusting biomass and/or natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Ammonia breakthrough shall not result in ground level odors and exhaust stack concentrations, except during periods of start-up/shutdown, shall not exceed 20.0 ppmv based on an annual source test. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

29. Emissions rates from boiler exhaust shall not exceed the following: PM10: 190.0 lb/day, VOC: 149.9 lb/day, NOx (as NO2): 1406.4 lb/day nor 463,084 lbs/yr, SOx (as SO2): 699.4 lb/day nor 118,113 lb/yr, or CO: 1207.2 lb/day nor 371,312 lb/yr. [District Rules 2201 and 4301] Federally Enforceable Through Title V Permit
30. Emission rate of PM10 shall not exceed 7.92 lb/hr and 0.012 lb/MMBtu. Particulate Matter (PM) emissions shall not exceed 0.01 gr/dscf @ 12% CO2. [District Rules 2201, 4201, and 4301 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
31. Emission rate of SOx (as SO2) shall not exceed 25.0 lb/hr, based on three hour rolling average. [District Rules 2201 and 4301 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
32. SOx emissions (as SO2) shall not exceed 0.04 lb/MMBtu, based on a three hour rolling average, during any period in which the power output exceeds 40 MW. [District Rules 2201 and 4801 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
33. Emission rate of oxides of nitrogen as NO2 shall not exceed 58.60 lb/hr, except during startup and shutdown as defined in this permit, based on three hour rolling average. [District Rules 2201 and 2410] Federally Enforceable Through Title V Permit
34. NOx emissions shall not exceed 0.092 lb/MMBtu, based on a three hour rolling average, during any period in which the power output exceeds 40 MW. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
35. Emission rate of volatile organic compounds shall not exceed 6.25 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
36. Emission rate of carbon monoxide shall not exceed 50.30 lb/hr, except during startup and shutdown as defined in this permit, based on three hour rolling average. [District Rules 2201 and 2410] Federally Enforceable Through Title V Permit
37. NOx emissions shall not exceed 65 ppmv @ 3% O2 at any time, except during startup and shutdown (as defined in this permit), based on a block 24 hour (12 AM to 11:59 PM) averaging period. [District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
38. Except during periods of startup and shutdown (as defined in this permit) the emission rate of carbon monoxide shall not exceed 183 ppmv @ 3% O2. Compliance with the carbon monoxide emission limit shall be based on a block 24 hour (12 AM to 11:59 PM) average. [District Rules 2201 and 4352] Federally Enforceable Through Title V Permit
39. Nitrogen oxides (NOx) shall not exceed 140 lb/hr, calculated as NO2. [District Rule 4301] Federally Enforceable Through Title V Permit
40. Start-up period is defined as the period of time, not exceeding 96 hours except during refractory curing when 192 hours are allowed, during which a unit is heated to the operating temperature and pressure from a shutdown status or hot standby condition. [District Rule 4352] Federally Enforceable Through Title V Permit
41. Shutdown period is defined as the period of time, not exceeding 12 hours, 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, or to a hot standby condition. [District Rule 4352] Federally Enforceable Through Title V Permit
42. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved EPA test methods. [District Rule 1081, 3.0] Federally Enforceable Through Title V Permit
43. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
44. Performance testing shall be witnessed or authorized by District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 and PSD ATC SJ 86-09] 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.

45. Permittee shall report the following emission exceedances to the District: SO<sub>2</sub>, NO<sub>x</sub>, and CO hourly emission rates on a three hour rolling average and daily emissions limitations. Excess emissions shall be defined as any consecutive 3-hour period during which the average emissions for CO, SO<sub>2</sub>, and NO<sub>x</sub> as measured by continuous monitoring system, exceeds the mass or concentration limit set for each pollutant. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
46. At the time of performance testing fuel being burned shall be tested for sulfur, nitrogen, ash content and heating value. [District Rule 2201] Federally Enforceable Through Title V Permit
47. Operator shall operate and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO<sub>x</sub>, SO<sub>2</sub>, and CO concentrations. [District Rules 1080, 4.0, 2201, and 2410 and 40 CFR 64] Federally Enforceable Through Title V Permit
48. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rule 1080, 6.5, 40 CFR Part 64, and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
49. Operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR Part 64 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
50. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
51. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3, 40 CFR Part 64 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
52. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0, 40 CFR Part 64 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
53. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rules 1080, 8.0 and 2520, 9.6.1, 40 CFR Part 64 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
54. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. [District Rule 1080, 9.0 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
55. Operator shall notify the District no later than one hour after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rules 1080 and 1100 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
56. January 31, 2017, and every five years thereafter, permittee shall conduct a performance tune-up of the boiler in accordance with 40 CFR 63.11223(b). Permittee shall submit a signed statement of the Notification of Compliance Status report that a tune-up of the boiler was completed. [40 CFR 63.11214(b)] Federally Enforceable Through Title V Permit
57. 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. [40 CFR 63.11205(a) and 40 CFR 64] 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.

58. Permittee shall maintain an operating log containing type and quantity of fuel used and higher heating value of such fuels on daily basis. [District Rules 2520, 9.4.2 and 4352, 6.2] Federally Enforceable Through Title V Permit
59. Sulfur content of each type of fuel shall be measured and recorded at least every calendar quarter using current ASTM Methods or shall be certified by supplier for each shipment. [District Rule 2520, 9.3.2 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
60. The differential pressure across each compartment of the fabric collectors shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the fabric collectors is not between 2" and 9.5" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
61. The pressure at the fabric collector inlet shall be checked and the results recorded quarterly. If the pressure at the fabric collector inlet is greater than negative 35" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
62. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
63. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
64. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
65. Permittee shall maintain monthly records of NOx, SOx, and CO to ensure that emissions limits on an annual rolling average are met. [District Rule 2201] Federally Enforceable Through Title V Permit
66. Permittee shall comply with the requirements of 40 CFR 63, Part DDDDD. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
67. Unit shall not be fired on coal or oil for more than 10.0 percent of the average annual heat input during any 3 calendar years or for more than 15.0 percent of the annual heat input during any calendar year. [NSPS Subpart UUUUU] Federally Enforceable Through Title V Permit
68. HCl emissions from the fluidized bed combustor shall not exceed 2.2e-02 lb/MMBtu. HCl emissions shall be determined according to the procedures in 40 CFR Part 63, Subpart DDDDD. All emission limits are 30-day rolling averages if a CEMS is used to monitor HCl emissions for compliance. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
69. Hg emissions from the fluidized bed combustor shall not exceed 5.7e-06 lb/MMBtu heat input. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
70. CO emissions from the fluidized bed combustor shall not exceed 310 ppmvd @ 3% O2 on a 30-day rolling average basis. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
71. Filterable PM emissions from the fluidized bed combustor shall not exceed 1.1e-01 lb/MMBtu heat input, except during startup and shutdown. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
72. Opacity from the fluidized bed combustor shall not exceed 10% on a daily block average, except during startup and shutdown. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

73. Performance testing shall be conducted annually for NO<sub>x</sub>, CO, SO<sub>x</sub>, PM, PM (10), and Hg at the maximum operating capacity using the following test methods, for NO<sub>x</sub> EPA Method 7E or ARB Method 100; for CO EPA Method 10 or ARB Method 100; for SO<sub>x</sub> EPA Method 6 or 6C; for PM EPA Method 5 (including back half); and for PM(10) EPA Method 5 (including back half assuming 100% of PM is PM10) or EPA Method 201A in combination with EPA Method 202, for Hg EPA Method 29 or EPA Method 30A or EPA Method 30B, or any other test methods and procedures approved by the District. If 40 CFR 63, Subpart DDDDD performance test of a given constituent shows at least 2 consecutive years of emissions below 75 percent of the emission limit as described in 40 CFR 63.7515(b), the performance test for those constituents can be conducted every third year as described in that section. [District Rules 1081, 4301, 4352, and 40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
74. The higher heating value of all as-fired solid fuels shall be certified by a third-party supplier or determined by ASTM Method E711, ASTM D5865, or other test method(s) with prior written approval of the APCO, ARB, and EPA. [District Rule 4352, 6.4] Federally Enforceable Through Title V Permit
75. 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, 6.3.2, 6.3.3] Federally Enforceable Through Title V Permit
76. The results of each performance test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
77. Permittee shall operate a Continuous Emissions Monitoring (CEM) system to monitor and record NO<sub>x</sub> concentrations, O<sub>2</sub> concentrations, and CO concentrations as well as the NO<sub>x</sub> emission rate whenever the unit 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 18 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) or 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, 5.5 and 40 CFR 60.7(c), 40 CFR 60.13, 40 CFR 60.48b and 40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
78. Permittee shall operate all continuous monitoring systems during startup and shutdown of the boiler. [40 CFR Part 63 Subpart DDDDD] Federally Enforceable Through Title V Permit
79. In addition to the performance tune-up required by Condition 56, performance testing to demonstrate compliance with the requirements of 40 CFR 63, Subpart DDDDD must be conducted. If the requirements described in 40 CFR 63.7515(b) are met the performance test for those constituents can be conducted every third year as described in that section. If a CEMS is used for a constituent to demonstrate compliance, the applicable fuel analysis, annual performance test, and operating limits are not required. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
80. If a CEMS is used to demonstrate compliance with an emission limit in 40 CFR 63 Subpart DDDDD, 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 18 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) or a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
81. A one-time energy assessment must be completed that meets the requirements of 40 CFR 63, Subpart DDDDD by January 31, 2017. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
82. Reports required by 40 CFR 63, Subpart DDDDD shall be submitted electronically or by hard copy to EPA as described in 40 CFR 63.7550 and to SJVAPCD. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

83. Permittee shall comply with all applicable emissions limits at all times except for startup or shutdown periods conforming with this work practice. Permittee shall collect monitoring data during periods of startup and shutdown, as specified in §63.7535(b). Permittee shall keep records during periods of startup and shutdown and shall provide reports concerning activities and periods of startup and shutdown, as specified in §63.7555. [40 CFR Part 63 Subpart DDDDD]
84. Permittee shall record the higher heating value of the as-fired fuel on a monthly basis. The HHV shall be determined on either a composite monthly sample (comprised of weekly grab samples, or biweekly grab samples). [District Rule 4352, 6.2.1] Federally Enforceable Through Title V Permit
85. Records of all daily fuel consumption shall be maintained on site and submitted to the District with quarterly reports and upon request. [District Rules 2201 and 4352, 6.2.1 and 40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
86. The owner/operator shall maintain daily records of the type and quantity of all biomass received. [District Rules 2201 and 4352, 6.2.1] Federally Enforceable Through Title V Permit
87. The owner/operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor for wood (biomass) for the reporting period. The annual capacity factor is determined on a 12 month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [40 CFR 60.49b(d)(1)] Federally Enforceable Through Title V Permit
88. 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 2201, 2520, 9.4.2 and 4352, 6.2.2] 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:** S-91-4-11

**EXPIRATION DATE:** 08/31/2022

**SECTION:** SW18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION INCLUDING PUG MILL WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 298 HP

## PERMIT UNIT REQUIREMENTS

1. Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, one drag chain conveyor with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, an enclosed screen separator, enclosed oversize material bin, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Bottom ash discharged from surge hoppers shall be conveyed via the vacuum conveyor through the cyclone and fabric filter referenced in condition 1 and shall be collected in the bottom ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The cyclone and fabric filter referenced in condition 1 shall be served by two 60 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor (S- 91-3) secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Bottom ash storage silo shall vent through bin vent fabric filter (FI527) to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Bottom ash storage silo shall be equipped with one 15 tph coaxial truck unloading spout. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air displaced during truck loading of bottom ash shall be ventilated back through bottom ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Fly ash collection system shall include: one 8 tph vacuum conveyor and one 310 ton fly ash storage silo with cyclone and fabric filter (FI524). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Fly ash shall be conveyed from the fabric filter and air heater hoppers of the fluidized bed combustor through the cyclone and fabric filter referenced in condition 7 and shall be collected in the fly ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The cyclone and fabric filter referenced in condition 7 shall be served by two 75 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Fly ash storage silo shall vent through bin vent fabric filter (FI525) to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fly ash storage silo shall be equipped with one 35 tph coaxial truck unloading spout. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Air displaced during truck loading of fly ash, except when loading fly ash from pug mill, shall be ventilated back through fly ash storage silo. [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.

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-4-11 : Apr 28 2023 10:14AM - ALEMANZ

13. Only enclosed trucks which mate with coaxial loadout spouts shall be utilized, except when loading fly ash from pug mill. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total moisture content of fly ash processed by pug mill shall be maintained at 25% or greater, by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The percent moisture of fly ash shall be determined by weighing an approximately 2-lb sample of fly ash exiting the pug mill, bringing the sample to dryness in a drying oven, then weighing the dried sample; the weight difference divided by the initial weight of the sample; all multiplied by 100% is the moisture content (% moisture = ((initial weight - dry weight)/initial weight) x 100%). [District Rule 2201] Federally Enforceable Through Title V Permit
16. Operation shall include two 7.5 hp fluidizing bed blowers, serving, in common, both the bottom and fly ash storage silos. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Each ash storage silo shall be dust tight and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Each fabric collector authorized for this operation shall be equipped with an automatically activated reverse pulse jet cleaning mechanism and an operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Fabric collectors shall be equipped with dust-tight provisions to return collected material to process equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Fabric collectors exhaust shall discharge only to fluidized bed combustor secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Secondary combustion air bypass stack shall be open only when the fluidized bed combustor is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter EPTFE bags. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Fly ash silo bin vent filter (FI525) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Fabric collector (FI524) shall have twenty-four 10' long x 5.75" diameter bags. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Fabric collector (FI526) shall have twenty-four 8' 4" long x 5.75" diameter bags. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Ash shall not be transferred into silos or loaded into trucks, except when loading fly ash from pug mill, unless fabric collectors are in use and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
28. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
29. PM10 emissions from this operation shall not exceed 0.0 lb/day nor 4 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
31. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



32. Visible emissions from operation shall be checked and record results monthly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
33. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [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:** S-91-5-5

**EXPIRATION DATE:** 08/31/2022

**SECTION:** SW18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

24,600 GALLON WATER TREATMENT LIME STORAGE SILO INCLUDING FABRIC COLLECTOR WITH 5 HP FAN, ONE 1000 LBM/HR SILO DISCHARGE ACTIVATOR AND ONE 1000 LBM/HR ENCLOSED VOLUMETRIC FEEDER

## PERMIT UNIT REQUIREMENTS

1. Lime storage silo shall be dust-tight and vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism and operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Fabric collector shall be equipped with dust-tight provisions to return collected material to lime storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
4. No more than 50 tons/day of lime shall be loaded into silo. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Lime shall not be transferred into silo unless the fabric collector is operating and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Visible emissions from lime mixing tank shall be less than 5% in opacity. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Lime silo loading operation shall not exceed 3 hr/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM-10 emissions shall not exceed 0.17 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Visible emissions from the lime storage silo, the fabric collectors, and the mixing tank shall be checked and the results recorded annually. If visible emissions are observed, corrective action is required prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
12. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-5-5 : Apr 28 2023 10:14AM - ALEMANZ

13. Operator shall maintain records of hours of operation of limestone receiving system on monthly basis and amount of lime loaded into the silo on daily basis. [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:** S-91-8-5

**EXPIRATION DATE:** 08/31/2022

**SECTION:** SW18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

36,000 GPM HAMON MODEL #3374 THREE-CELL COOLING TOWER WITH 1,450 HP TOTAL

## PERMIT UNIT REQUIREMENTS

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1. 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-9-6

**EXPIRATION DATE:** 08/31/2022

**SECTION:** SW18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

1. While dormant, petroleum coke shall not be received, unloaded or stored at facility. [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. Total time of fuel unloading at this permit unit and permit unit S-91-1-13 together shall not exceed 8 aggregate hours/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total quantity of petroleum coke unloaded shall not exceed 700 tons day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total surface area of open air petroleum coke storage area shall not exceed 0.5 acre. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Petroleum coke shall have a minimum moisture content of 10% as received. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Visible emissions produced during petroleum coke unloading, storage and loading shall not exceed 5% opacity for period or periods aggregating more than 3 minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain a daily record of the quantity and moisture content of petroleum coke unloaded and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
13. Permittee shall maintain a daily record of the number of hours petroleum coke is unloaded and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-9-6 : Apr 28 2023 10:14AM - ALEMANZ

14. Visible emissions from the petroleum coke storage operation shall be checked annually under environmental conditions (dry/windy) where high emissions are expected. If visible emissions are observed, corrective action is required prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 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:** S-91-10-8

**EXPIRATION DATE:** 08/31/2022

**EQUIPMENT DESCRIPTION:**

BIOMASS RECEIVING, CONVEYING, SCREENING AND STORAGE OPERATION, INCLUDING ONE TRUCK TIPPER W/ HOPPERS, TWO WALKING FLOOR UNLOADING STATIONS W/ HOPPERS, ONE HAMMER MILL (HOG), FOUR TRANSFER TOWERS, ONE RADIAL STACKER, ALL SERVED BY SURFACTANT SPRAY SYSTEM, AND AN OPEN FUEL YARD UNLOADING AREA EQUIPPED WITH PERMIT EXEMPT SURFACTANT SPRAY

## PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. There shall be no visible emissions of 5% opacity or greater from any point in this operation including, paved road, hoppers, conveyor transfer points, scalping screen, hammermill/hog, or stacking. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
3. Water/surfactant spray systems shall be inspected thoroughly daily and shall be repaired as necessary. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Fuel truck delivery road shall be cleaned at least weekly or as needed to reduce visible emissions. [District Rule 4101] Federally Enforceable Through Title V Permit
5. Water/surfactant sprays shall be used whenever material is being received or conveyed except when fuel is delivered by truck directly to fuel yard. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material received through truck tipplers and walking floor station shall not exceed 3,000 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Material received by truck directly to fuel yard shall not exceed 1,200 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Fuel delivery trucks in truck tipplers and walking floor station shall remain covered during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from receiving hoppers shall be controlled using water surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall include belt type magnetic separator and magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emissions from disk type scalping screen and hammermill type hog shall be controlled using water surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All tubulators and fuel transfer points in connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Operation shall include a radial stacker with telescoping spout equipped with a water spray ring. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Telescoping stacker shall operate the water spray ring whenever material is being stacked out and shall be maintained as close as possible to the storage pile to minimize drop distance. [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.

15. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102]  
Federally Enforceable Through Title V Permit
16. Emissions for this operation shall not exceed 30.5 lb-PM10/day nor 11,133 lb-PM10/year. [District Rule 2201]  
Federally Enforceable Through Title V Permit
17. Records of types, amounts and origins (including copies of all purchase contracts and # of trucks) of fuels received shall be maintained and made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Operator shall record the daily number of fuel delivery truck loads. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Visible emissions from truck tipper receiving hopper ventilation pickup points, conveyor transfer points, screens, and hog enclosures (including inlet and outlet openings) shall be inspected quarterly 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. [District Rules 2201 and 4101]  
Federally Enforceable Through Title V Permit
20. Records of water/surfactant spray system 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 2201] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-11-8

**EXPIRATION DATE:** 08/31/2022

**EQUIPMENT DESCRIPTION:**

BIOMASS RECLAIMING OPERATION WITH ONE RECLAIMER, CONVEYORS, SCREEN, SCREENED FINES DISCHARGING TO TRUCK LOADOUT CONVEYOR, SCREENED FUEL CONVEYED TO COMBUSTOR FUEL BIN ALL SERVED BY SURFACTANT SPRAY SYSTEM, WITH ADDITIONAL FUEL LOADING ABILITY VIA FRONT END LOADER

## PERMIT UNIT REQUIREMENTS

1. There shall be no visible emissions of 5% opacity or greater from any point in this operation including conveyor transfer points, reclaiming, gyratory screen, or truck loadout. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Water/surfactant spray systems shall be inspected thoroughly daily and shall be repaired as necessary. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Water/surfactant spray systems shall operate whenever material is being reclaimed or conveyed via reclaimer/stacker. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Water/surfactant spray systems shall operate whenever fine material is being unloaded at truck loadout station. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material reclaimed via stacker/reclaimer shall not exceed 1,440 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Material reclaimed via front-end loader shall not exceed 1,200 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
9. Emissions from reclaiming points shall be controlled by water/surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall include belt type magnetic separator at each reclaiming point magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emissions from gyrating type screen shall be controlled by water/surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All tubulators and fuel transfer points in connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Emissions from fully enclosed fine material truck loadout shall be controlled by water/surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Emissions for this operation shall not exceed 11.4 lb-PM10/day nor 4,150 lb-PM10/year. [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.

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-11-8 : Apr 28 2023 10:14AM - ALEMANZ

15. Visible emissions from truck loadout ventilation pickup points, conveyor transfer points, and screens shall be inspected quarterly 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. [District Rule 2201 and 4101] Federally Enforceable Through Title V Permit
16. Daily Records of material weight sent to fuel bin shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of water/surfactant spray system 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. [40 CFR Part 64]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-12-4

**EXPIRATION DATE:** 08/31/2022

**SECTION:** 18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

220 BHP (INTERMITTENT) CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED  
EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

## PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII]
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.56 g-NOx/bhp-hr, 0.597 g-CO/bhp-hr, or 0.067 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.079 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
9. 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). [40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
10. 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, emergency firefighting, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-12-4 : Apr 28 2023 10:14AM - ALEMANZ

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and to preserve or protect property, human life, or public health during a fire. 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". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. 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 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

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# ATTACHMENT B

Previous Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

**FACILITY:** S-91-0-4

**EXPIRATION DATE:** 08/31/2022

## **FACILITY-WIDE REQUIREMENTS**

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-0-4 : May 8 2023 2:48PM -- ALEMANZ

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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



36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. Equipment covered by this permit shall at all times be maintained in good working order and be operated as efficiently as possible so to minimize air pollutant emissions. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
42. In the event of changes in control or ownership, this Operating Permit shall be binding on new owners and operators. The applicant shall notify successor of the existence of this Operating Permit and its conditions in writing and forward a copy to the District, California Air Resources Board, and EPA. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
43. The applicant shall construct and operate the facility in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and District air quality regulations. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
44. Should additional guidance related to the June 3, 1986 PSD remand be developed, MPCC shall provide to EPA any such analysis, data or demonstration of compliance with other requirements within the time required by such guidance. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
45. All correspondence as required by this Operating Permit shall be forwarded to: the District; Director, Air & Toxics Div. (Attn: A-3-3), EPA Region 9, 75 Hawthorne St. San Francisco, CA 94105; and Director, Stationary Source Div., CARB, Box 2815, Sacramento, CA 95812. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
46. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
47. All wells using steam produced by this facility shall be listed on Macpherson Oil Company permit S-1703-134. [District NSR Rule] Federally Enforceable Through Title V Permit
48. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68] Federally Enforceable Through Title V Permit
49. The lead content of the fuel shall be monitored such that the lead emissions from the facility do not exceed the PSD significance level of 0.6 TPY. The facility is required to demonstrate, at least annually, that lead emissions are below the PSD significance level. [PSD ATC SJ 86-09] 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.

50. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin April 28 of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-1-14

**EXPIRATION DATE:** 08/31/2022

**SECTION:** 18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

COAL, BIOMASS, BOTTOM ASH, SAND AND LIME CAKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION

## PERMIT UNIT REQUIREMENTS

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1. While dormant, coal/petroleum coke, biomass, bottom ash, or sand and lime cake shall not be received, handled, or stored for processing by this permit unit. [District Rule 2080] Federally Enforceable Through Title V Permit
2. While dormant, the fuel line shall be physically disconnected from the unit. [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. Operation shall include two receiving hoppers in drive through enclosure with automatically closing doors at entrance, Lot Sonic Development automatically activated ST-47 Dry Fog dust suppression system with 58 nozzles and dust curtains at exit. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Operation shall include two enclosed under hopper vibrating feeders and one "en-masse" conveyor with magnetic separator. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall include a storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and one storage day bin with bin vent filter and exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Operation shall include an unloading hopper and transfer conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [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. Operation shall include equipment to receive and transfer TDF, including: two enclosed discharge feeders, discharge conveyor, belt scale, inclined conveyors and delivery chute, all enclosed or covered. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Operation shall include Mikro-Pulseaire jet dust collector with 60 HP fan serving vibrating feeders, magnetic separator, silo and day bin bucket elevators, silo, ring crusher, "en masse" and petroleum coke transfer conveyors and day bins. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Truck receiving hopper enclosure shall be fully closed when trucks are in unloading position and spray nozzles shall be automatically activated at or prior to unloading. [District Rule 2201] Federally Enforceable Through Title V Permit
17. All conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All storage silos shall be dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity for a period or periods aggregating more than three minutes in any one hour) provisions to return collected material to process equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Each fabric collector shall automatically activate whenever process equipment served is activated. [District Rule 2201] Federally Enforceable Through Title V Permit
23. All fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Mikro-Pulseaire filter shall have 1696 sq. ft. of filtering area (144- 10 ft. long x 4.5 in. diameter bags). [District Rule 2201] Federally Enforceable Through Title V Permit
25. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District Rule 2201] Federally Enforceable Through Title V Permit
28. There shall be no visible emissions in excess of 5% opacity for a period or periods aggregating more than three minutes in any one hour at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Material handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Material shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
31. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
32. Material shall only be unloaded using the equipment specified for that purpose on this permit, for each respective fuel type. [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.

33. Total time of fuel unloading at this permit unit and permit unit S-91-9 together shall not exceed 8 aggregate hours/day. [District Rule 2201] Federally Enforceable Through Title V Permit
34. Permittee shall maintain a daily record of the hours of operation of fuel unloading at the enclosed truck receiving hoppers and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
35. All transfer points, coal/petroleum coke silo and day bins shall vent only to Mikro-Pulseaire bin vent filter. [District Rule 2201] Federally Enforceable Through Title V Permit
36. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
37. PM10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
38. PM10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
39. Fabric collection systems shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
40. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
41. The differential pressure across each compartment of the fabric collectors shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the fabric collectors is not between 1" and 7" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
42. Visible emissions from the operation shall be checked and record results quarterly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
43. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [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:** S-91-2-7

**EXPIRATION DATE:** 08/31/2022

**SECTION:** 18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

LIMESTONE STORAGE, HANDLING AND RECEIVING OPERATION INCLUDING 39,900 GALLON STORAGE SILO WITH FABRIC COLLECTOR AND EXHAUST FAN, TWO ROTARY AIR LOCK FEEDERS, TWO WEIGH BELT FEEDERS AND TWO ROTARY AIR LOCKS

## PERMIT UNIT REQUIREMENTS

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1. Limestone storage silo shall be dust-tight and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Fabric collector shall be equipped with automatically activated reverse pulse jet cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Fabric collector shall be equipped with dust-tight provisions to return collected material to limestone storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Fabric collectors exhaust shall discharge only to CFB combustor (permit unit S-91-3) secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fabric collector shall have 25 - 7 ft. long x 5.75 in. diameter polyester bags. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Secondary combustion air bypass stack shall be open only when CFB combustor (permit unit S-91-3) is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
8. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
9. PM10 emission rate from this operation shall not exceed 0.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. There shall be no detectable emissions from any source whatsoever in this permit unit. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Limestone shall only be transferred into this silo if the fabric collectors are operating and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
13. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Visible emissions from storage silo shall be checked and record results annually. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
15. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [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:** S-91-3-26

**EXPIRATION DATE:** 08/31/2022

**SECTION:** 18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

49.9 MW COAL/BIOMASS AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT

## PERMIT UNIT REQUIREMENTS

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1. Biomass introduced into the combustor shall not contain more than 2% by weight non-biomass material (plastics, metal, painted and preservative-treated wood, roofing material, fiberglass, etc.). [District Rule 4102]
2. At least once per quarter, operator shall collect a representative sample of the biomass material combusted and determine the weight percent of non-biomass material contained in that sample. Prior to collecting the first quarterly sample, operator shall submit a sampling plan to the District's compliance division for approval and shall follow the approved plan for all subsequent sampling, unless a revised plan is submitted and approved. [District Rules 1081 and 4102] Federally Enforceable Through Title V Permit
3. Operation shall include Ahlstrom Pyroflow atmospheric fluidized bed combustor incorporating low temperature staged combustion and ammonia injection (NOx control), and pulverized limestone/lime cake injection (SOx control). [District Rule 2201] Federally Enforceable Through Title V Permit
4. Operation shall include enclosed gravimetric belt weigh feeder discharging to fuel feed chutes and enclosed limestone/lime cake volumetric feeder with air lock system. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include four natural gas-fired 62 MMBtu/hr Coen startup burners and two natural gas-fired 23 MMBtu/hr Coen duct burners. [District Rule 2201] Federally Enforceable Through Title V Permit
6. During startup of boiler, the unit shall be fired on one or a combination of natural gas or any other clean fuels specified in Subpart DDDDD. [40 CFR Part 63 Subpart DDDDD] Federally Enforceable Through Title V Permit
7. Operation shall include two fly ash recycle cyclones, air heater with two fly ash hoppers, economizer and ash handling system. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Operation shall include 1250 HP primary combustion air fan, 500 HP secondary combustion air fan and 150 HP multi-staged centrifugal fluidizing air blower. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Operation shall include 12 compartment fabric collector with 1750 HP induced draft fan, reverse air cleaning mechanism and 100 HP reverse air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall include one sand storage silo with bin vent filter and exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fabric collector shall include a minimum of 134,230 sq. ft. of filtering area, fly ash hopper, d.p. transmitter, capacitance type high level detector, vibrator and aeration pad. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fly ash collected at fabric collector shall be discharged only to fly ash handling system. [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.



13. Ash shall only be removed from combustion system by means authorized in Permit to Operate S-91-4. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Operation shall be equipped with the following indicators: combustion temperature, combustion air system pressure, primary and secondary fan air flow, ammonia injection flow, fuel use rate and limestone/lime cake use rate. The permittee shall operate and maintain instrumentation to continuously monitor and record levels of combustion temperature, consumption of fuel, ammonia, and limestone/lime cake in boiler. [District Rules 2201 and 2410] Federally Enforceable Through Title V Permit
15. Permittee shall vent emissions to the main stack(s) when firing the unit on fuels other than natural gas and shall engage all of the applicable control devices except limestone injection in fluidized bed combustion boilers, fabric filter, and selective non-catalytic reduction. [40 CFR Part 63 Subpart DDDDD] Federally Enforceable Through Title V Permit
16. Each fabric collector compartment shall be equipped with access door and differential pressure indicator. The differential pressure across each compartment shall be maintained between 2" and 9.5" water column. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Fabric collector inlet shall be equipped with operational pressure indicator and high temperature alarm which activates prior to high temperature failure. The pressure shall not exceed negative 35" water column. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Fabric collector shall be equipped with automatic cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
19. All combustor exhaust gas shall pass through fabric collector prior to being emitted to atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Unit shall be operated as a low temperature combustor with a peak temperature range of 1550 to 1750 deg F. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Unit shall be operated as a staged combustion device by introducing a substoichiometric amount of combustion air into primary combustion zone. [District Rule 2201] Federally Enforceable Through Title V Permit
22. There shall be no provisions for introduction of air into combustion system or exhaust system downstream of the combustion chamber except for air utilized for cyclone center pipe supports and cooling. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The sum of the combined coal and tire derived fuel throughput and 1/2 times the throughput of biomass introduced into the combustor shall not exceed 1,400,000 lbs/day and 58,333 lbs/hr (on a dry basis). Solid fuel introduced into the combustor shall contain no more than 4.0% by weight sulfur. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
24. Of the total fuel introduced into the combustor, no more than 154,000 lbs per day (on a dry basis) shall be TDF. [District Rule 2201] Federally Enforceable Through Title V Permit
25. "Biomass" means any organic material not derived from fossil fuels, such as agricultural crop residue, orchard prunings and removal, stone fruit pits, nut shells, cotton gin trash, cotton stalks, vineyard prunings, cull logs, eucalyptus logs, bark, lawn, yard and garden clippings, leaves, silvicultural residue, tree and brush pruning, wood and wood chips, and wood waste. Biomass does not include material containing sewage sludge or industrial, hazardous, radioactive or municipal solid waste. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
26. Wood waste includes clean, chipped wood products, plywood, wood products manufacturing wood materials, construction and demolition wood materials, and wood pallets, crates and boxes. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
27. Limestone/lime cake shall be introduced into combustor at a rate sufficient to maintain a minimum Ca/S molar ratio of 3, except when combusting biomass and/or natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Ammonia breakthrough shall not result in ground level odors and exhaust stack concentrations, except during periods of start-up/shutdown, shall not exceed 20.0 ppmv based on an annual source test. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

29. Emissions rates from boiler exhaust shall not exceed the following: PM10: 190.0 lb/day, VOC: 149.9 lb/day, NOx (as NO2): 1406.4 lb/day nor 463,084 lbs/yr, SOx (as SO2): 699.4 lb/day nor 118,113 lb/yr, or CO: 1207.2 lb/day nor 371,312 lb/yr. [District Rules 2201 and 4301] Federally Enforceable Through Title V Permit
30. Emission rate of PM10 shall not exceed 7.92 lb/hr and 0.012 lb/MMBtu. Particulate Matter (PM) emissions shall not exceed 0.01 gr/dscf @ 12% CO2. [District Rules 2201, 4201, and 4301 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
31. Emission rate of SOx (as SO2) shall not exceed 25.0 lb/hr, based on three hour rolling average. [District Rules 2201 and 4301 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
32. SOx emissions (as SO2) shall not exceed 0.04 lb/MMBtu, based on a three hour rolling average, during any period in which the power output exceeds 40 MW. [District Rules 2201 and 4801 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
33. Emission rate of oxides of nitrogen as NO2 shall not exceed 58.60 lb/hr, except during startup and shutdown as defined in this permit, based on three hour rolling average. [District Rules 2201 and 2410] Federally Enforceable Through Title V Permit
34. NOx emissions shall not exceed 0.092 lb/MMBtu, based on a three hour rolling average, during any period in which the power output exceeds 40 MW. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
35. Emission rate of volatile organic compounds shall not exceed 6.25 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
36. Emission rate of carbon monoxide shall not exceed 50.30 lb/hr, except during startup and shutdown as defined in this permit, based on three hour rolling average. [District Rules 2201 and 2410] Federally Enforceable Through Title V Permit
37. NOx emissions shall not exceed 65 ppmv @ 3% O2 at any time, except during startup and shutdown (as defined in this permit), based on a block 24 hour (12 AM to 11:59 PM) averaging period. [District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
38. Except during periods of startup and shutdown (as defined in this permit) the emission rate of carbon monoxide shall not exceed 183 ppmv @ 3% O2. Compliance with the carbon monoxide emission limit shall be based on a block 24 hour (12 AM to 11:59 PM) average. [District Rules 2201 and 4352] Federally Enforceable Through Title V Permit
39. Nitrogen oxides (NOx) shall not exceed 140 lb/hr, calculated as NO2. [District Rule 4301] Federally Enforceable Through Title V Permit
40. Start-up period is defined as the period of time, not exceeding 96 hours except during refractory curing when 192 hours are allowed, during which a unit is heated to the operating temperature and pressure from a shutdown status or hot standby condition. [District Rule 4352] Federally Enforceable Through Title V Permit
41. Shutdown period is defined as the period of time, not exceeding 12 hours, 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, or to a hot standby condition. [District Rule 4352] Federally Enforceable Through Title V Permit
42. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved EPA test methods. [District Rule 1081, 3.0] Federally Enforceable Through Title V Permit
43. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
44. Performance testing shall be witnessed or authorized by District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 and PSD ATC SJ 86-09] 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.

45. Permittee shall report the following emission exceedances to the District: SO<sub>2</sub>, NO<sub>x</sub>, and CO hourly emission rates on a three hour rolling average and daily emissions limitations. Excess emissions shall be defined as any consecutive 3-hour period during which the average emissions for CO, SO<sub>2</sub>, and NO<sub>x</sub> as measured by continuous monitoring system, exceeds the mass or concentration limit set for each pollutant. [District Rule 2201 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
46. At the time of performance testing fuel being burned shall be tested for sulfur, nitrogen, ash content and heating value. [District Rule 2201] Federally Enforceable Through Title V Permit
47. Operator shall operate and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO<sub>x</sub>, SO<sub>2</sub>, and CO concentrations. [District Rules 1080, 4.0, 2201, and 2410 and 40 CFR 64] Federally Enforceable Through Title V Permit
48. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rule 1080, 6.5, 40 CFR Part 64, and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
49. Operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR Part 64 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
50. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
51. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3, 40 CFR Part 64 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
52. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0, 40 CFR Part 64 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
53. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rules 1080, 8.0 and 2520, 9.6.1, 40 CFR Part 64 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
54. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. [District Rule 1080, 9.0 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
55. Operator shall notify the District no later than one hour after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rules 1080 and 1100 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
56. January 31, 2017, and every five years thereafter, permittee shall conduct a performance tune-up of the boiler in accordance with 40 CFR 63.11223(b). Permittee shall submit a signed statement of the Notification of Compliance Status report that a tune-up of the boiler was completed. [40 CFR 63.11214(b)] Federally Enforceable Through Title V Permit
57. 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. [40 CFR 63.11205(a) and 40 CFR 64] 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.

58. Permittee shall maintain an operating log containing type and quantity of fuel used and higher heating value of such fuels on daily basis. [District Rules 2520, 9.4.2 and 4352, 6.2] Federally Enforceable Through Title V Permit
59. Sulfur content of each type of fuel shall be measured and recorded at least every calendar quarter using current ASTM Methods or shall be certified by supplier for each shipment. [District Rule 2520, 9.3.2 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
60. The differential pressure across each compartment of the fabric collectors shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the fabric collectors is not between 2" and 9.5" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
61. The pressure at the fabric collector inlet shall be checked and the results recorded quarterly. If the pressure at the fabric collector inlet is greater than negative 35" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
62. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
63. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
64. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
65. Permittee shall maintain monthly records of NOx, SOx, and CO to ensure that emissions limits on an annual rolling average are met. [District Rule 2201] Federally Enforceable Through Title V Permit
66. Permittee shall comply with the requirements of 40 CFR 63, Part DDDDD. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
67. Unit shall not be fired on coal or oil for more than 10.0 percent of the average annual heat input during any 3 calendar years or for more than 15.0 percent of the annual heat input during any calendar year. [NSPS Subpart UUUUU] Federally Enforceable Through Title V Permit
68. HCl emissions from the fluidized bed combustor shall not exceed 2.2e-02 lb/MMBtu. HCl emissions shall be determined according to the procedures in 40 CFR Part 63, Subpart DDDDD. All emission limits are 30-day rolling averages if a CEMS is used to monitor HCl emissions for compliance. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
69. Hg emissions from the fluidized bed combustor shall not exceed 5.7e-06 lb/MMBtu heat input. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
70. CO emissions from the fluidized bed combustor shall not exceed 310 ppmvd @ 3% O2 on a 30-day rolling average basis. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
71. Filterable PM emissions from the fluidized bed combustor shall not exceed 1.1e-01 lb/MMBtu heat input, except during startup and shutdown. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
72. Opacity from the fluidized bed combustor shall not exceed 10% on a daily block average, except during startup and shutdown. [40 CFR Part 63, Subpart DDDDD] 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.

73. Performance testing shall be conducted annually for NO<sub>x</sub>, CO, SO<sub>x</sub>, PM, PM (10), and Hg at the maximum operating capacity using the following test methods, for NO<sub>x</sub> EPA Method 7E or ARB Method 100; for CO EPA Method 10 or ARB Method 100; for SO<sub>x</sub> EPA Method 6 or 6C; for PM EPA Method 5 (including back half); and for PM(10) EPA Method 5 (including back half assuming 100% of PM is PM10) or EPA Method 201A in combination with EPA Method 202, for Hg EPA Method 29 or EPA Method 30A or EPA Method 30B, or any other test methods and procedures approved by the District. If 40 CFR 63, Subpart DDDDD performance test of a given constituent shows at least 2 consecutive years of emissions below 75 percent of the emission limit as described in 40 CFR 63.7515(b), the performance test for those constituents can be conducted every third year as described in that section. [District Rules 1081, 4301, 4352, and 40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
74. The higher heating value of all as-fired solid fuels shall be certified by a third-party supplier or determined by ASTM Method E711, ASTM D5865, or other test method(s) with prior written approval of the APCO, ARB, and EPA. [District Rule 4352, 6.4] Federally Enforceable Through Title V Permit
75. 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, 6.3.2, 6.3.3] Federally Enforceable Through Title V Permit
76. The results of each performance test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
77. Permittee shall operate a Continuous Emissions Monitoring (CEM) system to monitor and record NO<sub>x</sub> concentrations, O<sub>2</sub> concentrations, and CO concentrations as well as the NO<sub>x</sub> emission rate whenever the unit 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 18 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) or 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, 5.5 and 40 CFR 60.7(c), 40 CFR 60.13, 40 CFR 60.48b and 40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
78. Permittee shall operate all continuous monitoring systems during startup and shutdown of the boiler. [40 CFR Part 63 Subpart DDDDD] Federally Enforceable Through Title V Permit
79. In addition to the performance tune-up required by Condition 56, performance testing to demonstrate compliance with the requirements of 40 CFR 63, Subpart DDDDD must be conducted. If the requirements described in 40 CFR 63.7515(b) are met the performance test for those constituents can be conducted every third year as described in that section. If a CEMS is used for a constituent to demonstrate compliance, the applicable fuel analysis, annual performance test, and operating limits are not required. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
80. If a CEMS is used to demonstrate compliance with an emission limit in 40 CFR 63 Subpart DDDDD, 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 18 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) or a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
81. A one-time energy assessment must be completed that meets the requirements of 40 CFR 63, Subpart DDDDD by January 31, 2017. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
82. Reports required by 40 CFR 63, Subpart DDDDD shall be submitted electronically or by hard copy to EPA as described in 40 CFR 63.7550 and to SJVAPCD. [40 CFR Part 63, Subpart DDDDD] 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.

83. Permittee shall comply with all applicable emissions limits at all times except for startup or shutdown periods conforming with this work practice. Permittee shall collect monitoring data during periods of startup and shutdown, as specified in §63.7535(b). Permittee shall keep records during periods of startup and shutdown and shall provide reports concerning activities and periods of startup and shutdown, as specified in §63.7555. [40 CFR Part 63 Subpart DDDDD]
84. Permittee shall record the higher heating value of the as-fired fuel on a monthly basis. The HHV shall be determined on either a composite monthly sample (comprised of weekly grab samples, or biweekly grab samples). [District Rule 4352, 6.2.1] Federally Enforceable Through Title V Permit
85. Records of all daily fuel consumption shall be maintained on site and submitted to the District with quarterly reports and upon request. [District Rules 2201 and 4352, 6.2.1 and 40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
86. The owner/operator shall maintain daily records of the type and quantity of all biomass received. [District Rules 2201 and 4352, 6.2.1] Federally Enforceable Through Title V Permit
87. The owner/operator shall record and maintain records of the amounts of each fuel combusted during each day and calculate the annual capacity factor for wood (biomass) for the reporting period. The annual capacity factor is determined on a 12 month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. [40 CFR 60.49b(d)(1)] Federally Enforceable Through Title V Permit
88. 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 2201, 2520, 9.4.2 and 4352, 6.2.2] 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:** S-91-4-10

**EXPIRATION DATE:** 08/31/2022

**SECTION:** SW18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION INCLUDING PUG MILL WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 298 HP

## PERMIT UNIT REQUIREMENTS

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1. Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, one drag chain conveyor with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, an enclosed screen separator, enclosed oversize material bin, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Bottom ash discharged from surge hoppers shall be conveyed via the vacuum conveyor through the cyclone and fabric filter referenced in condition 1 and shall be collected in the bottom ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The cyclone and fabric filter referenced in condition 1 shall be served by two 60 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor (S- 91-3) secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Bottom ash storage silo shall vent through bin vent fabric filter (FI527) to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Bottom ash storage silo shall be equipped with one 15 tph coaxial truck unloading spout. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Air displaced during truck loading of bottom ash shall be ventilated back through bottom ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Fly ash collection system shall include: one 8 tph vacuum conveyor and one 310 ton fly ash storage silo with cyclone and fabric filter (FI524). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Fly ash shall be conveyed from the fabric filter and air heater hoppers of the fluidized bed combustor through the cyclone and fabric filter referenced in condition 7 and shall be collected in the fly ash storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The cyclone and fabric filter referenced in condition 7 shall be served by two 75 hp vacuum blowers (one operating, one standby), which discharge through an in line filter to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Fly ash storage silo shall vent through bin vent fabric filter (FI525) to the fluidized bed combustor secondary combustion air fan. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Fly ash storage silo shall be equipped with one 35 tph coaxial truck unloading spout. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Air displaced during truck loading of fly ash, except when loading fly ash from pug mill, shall be ventilated back through fly ash storage silo. [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.

13. Only enclosed trucks which mate with coaxial loadout spouts shall be utilized, except when loading fly ash from pug mill. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Total moisture content of fly ash processed by pug mill shall be maintained at 25% or greater, by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The percent moisture of fly ash shall be determined by weighing an approximately 2-lb sample of fly ash exiting the pug mill, bringing the sample to dryness in a drying oven, then weighing the dried sample; the weight difference divided by the initial weight of the sample; all multiplied by 100% is the moisture content (% moisture = ((initial weight - dry weight)/initial weight) x 100%). [District Rule 2201] Federally Enforceable Through Title V Permit
16. Operation shall include two 7.5 hp fluidizing bed blowers, serving, in common, both the bottom and fly ash storage silos. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Each ash storage silo shall be dust tight and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Each fabric collector authorized for this operation shall be equipped with an automatically activated reverse pulse jet cleaning mechanism and an operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Fabric collectors shall be equipped with dust-tight provisions to return collected material to process equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Fabric collectors exhaust shall discharge only to fluidized bed combustor secondary combustion air manifold. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Secondary combustion air bypass stack shall be open only when the fluidized bed combustor is shut down. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter EPTFE bags. [District Rule 2201] Federally Enforceable Through Title V Permit
23. Fly ash silo bin vent filter (FI525) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Fabric collector (FI524) shall have twenty-four 10' long x 5.75" diameter bags. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Fabric collector (FI526) shall have twenty-four 8' 4" long x 5.75" diameter bags. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Ash shall not be transferred into silos or loaded into trucks, except when loading fly ash from pug mill, unless fabric collectors are in use and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
28. All roadways, driveways and vehicular work areas shall be surfaced and maintained with slow cure asphalt paving or concrete. [District Rules 2201, 4101, and 4641] Federally Enforceable Through Title V Permit
29. PM10 emissions from this operation shall not exceed 0.0 lb/day nor 4 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
31. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



32. Visible emissions from operation shall be checked and record results monthly. If visible emissions are observed, corrective action is required prior to further loading. Corrective action means that visible emissions are eliminated before next loading event. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
33. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [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:** S-91-5-4

**EXPIRATION DATE:** 08/31/2022

**SECTION:** SW18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

24,600 GALLON WATER TREATMENT LIME STORAGE SILO INCLUDING FABRIC COLLECTOR WITH 5 HP FAN, ONE 1000 LBM/HR SILO DISCHARGE ACTIVATOR AND ONE 1000 LBM/HR ENCLOSED VOLUMETRIC FEEDER

## PERMIT UNIT REQUIREMENTS

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1. Lime storage silo shall be dust-tight and vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism and operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Fabric collector shall be equipped with dust-tight provisions to return collected material to lime storage silo. [District Rule 2201] Federally Enforceable Through Title V Permit
4. No more than 50 tons/day of lime shall be loaded into silo. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Lime shall not be transferred into silo unless the fabric collector is operating and functioning properly. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Visible emissions from lime mixing tank shall be less than 5% in opacity. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Lime silo loading operation shall not exceed 3 hr/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. PM-10 emissions shall not exceed 0.17 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Visible emissions from the lime storage silo, the fabric collectors, and the mixing tank shall be checked and the results recorded annually. If visible emissions are observed, corrective action is required prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
12. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-5-4 : May 8 2023 2:49PM -- ALEMANZ

13. Operator shall maintain records of hours of operation of limestone receiving system on monthly basis and amount of lime loaded into the silo on daily basis. [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:** S-91-8-4

**EXPIRATION DATE:** 08/31/2022

**SECTION:** SW18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

36,000 GPM HAMON MODEL #3374 THREE-CELL COOLING TOWER WITH 1,450 HP TOTAL

## PERMIT UNIT REQUIREMENTS

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1. 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.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-9-5

**EXPIRATION DATE:** 08/31/2022

**SECTION:** SW18 **TOWNSHIP:** 27S **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

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1. While dormant, petroleum coke shall not be received, unloaded or stored at facility. [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. Total time of fuel unloading at this permit unit and permit unit S-91-1-13 together shall not exceed 8 aggregate hours/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Total quantity of petroleum coke unloaded shall not exceed 700 tons day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Total surface area of open air petroleum coke storage area shall not exceed 0.5 acre. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Petroleum coke shall have a minimum moisture content of 10% as received. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Visible emissions produced during petroleum coke unloading, storage and loading shall not exceed 5% opacity for period or periods aggregating more than 3 minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Permittee shall maintain a daily record of the quantity and moisture content of petroleum coke unloaded and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
13. Permittee shall maintain a daily record of the number of hours petroleum coke is unloaded and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, 36157 FAMOSA HIGHWAY, BAKERSFIELD, CA 93308

S-91-9-5 : May 8 2023 2:48PM -- ALEMANZ

14. Visible emissions from the petroleum coke storage operation shall be checked annually under environmental conditions (dry/windy) where high emissions are expected. If visible emissions are observed, corrective action is required prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 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:** S-91-10-7

**EXPIRATION DATE:** 08/31/2022

**EQUIPMENT DESCRIPTION:**

BIOMASS RECEIVING, CONVEYING, SCREENING AND STORAGE OPERATION, INCLUDING ONE TRUCK TIPPER W/ HOPPERS, TWO WALKING FLOOR UNLOADING STATIONS W/ HOPPERS, ONE HAMMER MILL (HOG), FOUR TRANSFER TOWERS, ONE RADIAL STACKER, ALL SERVED BY SURFACTANT SPRAY SYSTEM, AND AN OPEN FUEL YARD UNLOADING AREA EQUIPPED WITH PERMIT EXEMPT SURFACTANT SPRAY

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. There shall be no visible emissions of 5% opacity or greater from any point in this operation including, paved road, hoppers, conveyor transfer points, scalping screen, hammermill/hog, or stacking. [District Rules 2201 and 4101]  
Federally Enforceable Through Title V Permit
3. Water/surfactant spray systems shall be inspected thoroughly daily and shall be repaired as necessary. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Fuel truck delivery road shall be cleaned at least weekly or as needed to reduce visible emissions. [District Rule 4101]  
Federally Enforceable Through Title V Permit
5. Water/surfactant sprays shall be used whenever material is being received or conveyed except when fuel is delivered by truck directly to fuel yard. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material received through truck tippers and walking floor station shall not exceed 3,000 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Material received by truck directly to fuel yard shall not exceed 1,200 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Fuel delivery trucks in truck tippers and walking floor station shall remain covered during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from receiving hoppers shall be controlled using water surfactant spray system. [District Rule 2201]  
Federally Enforceable Through Title V Permit
10. Operation shall include belt type magnetic separator and magnetic separator take away conveyor. [District Rule 2201]  
Federally Enforceable Through Title V Permit
11. Emissions from disk type scalping screen and hammermill type hog shall be controlled using water surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All tubulators and fuel transfer points in connecting transfer towers shall be fully enclosed. [District Rule 2201]  
Federally Enforceable Through Title V Permit
13. Operation shall include a radial stacker with telescoping spout equipped with a water spray ring. [District Rule 2201]  
Federally Enforceable Through Title V Permit
14. Telescoping stacker shall operate the water spray ring whenever material is being stacked out and shall be maintained as close as possible to the storage pile to minimize drop distance. [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.

15. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102]  
Federally Enforceable Through Title V Permit
16. Emissions for this operation shall not exceed 30.5 lb-PM10/day nor 11,133 lb-PM10/year. [District Rule 2201]  
Federally Enforceable Through Title V Permit
17. Records of types, amounts and origins (including copies of all purchase contracts and # of trucks) of fuels received shall be maintained and made readily available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Operator shall record the daily number of fuel delivery truck loads. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Visible emissions from truck tipper receiving hopper ventilation pickup points, conveyor transfer points, screens, and hog enclosures (including inlet and outlet openings) shall be inspected quarterly 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. [District Rules 2201 and 4101]  
Federally Enforceable Through Title V Permit
20. Records of water/surfactant spray system 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 2201] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-11-7

**EXPIRATION DATE:** 08/31/2022

**EQUIPMENT DESCRIPTION:**

BIOMASS RECLAIMING OPERATION WITH ONE RECLAIMER, CONVEYORS, SCREEN, SCREENED FINES DISCHARGING TO TRUCK LOADOUT CONVEYOR, SCREENED FUEL CONVEYED TO COMBUSTOR FUEL BIN ALL SERVED BY SURFACTANT SPRAY SYSTEM, WITH ADDITIONAL FUEL LOADING ABILITY VIA FRONT END LOADER

## PERMIT UNIT REQUIREMENTS

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1. There shall be no visible emissions of 5% opacity or greater from any point in this operation including conveyor transfer points, reclaiming, gyratory screen, or truck loadout. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Water/surfactant spray systems shall be inspected thoroughly daily and shall be repaired as necessary. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Water/surfactant spray systems shall operate whenever material is being reclaimed or conveyed via reclaimer/stacker. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Water/surfactant spray systems shall operate whenever fine material is being unloaded at truck loadout station. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Material reclaimed via stacker/reclaimer shall not exceed 1,440 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Material reclaimed via front-end loader shall not exceed 1,200 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
9. Emissions from reclaiming points shall be controlled by water/surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operation shall include belt type magnetic separator at each reclaiming point magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emissions from gyrating type screen shall be controlled by water/surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
12. All tubulators and fuel transfer points in connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Emissions from fully enclosed fine material truck loadout shall be controlled by water/surfactant spray system. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Emissions for this operation shall not exceed 11.4 lb-PM10/day nor 4,150 lb-PM10/year. [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.

15. Visible emissions from truck loadout ventilation pickup points, conveyor transfer points, and screens shall be inspected quarterly 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. [District Rule 2201 and 4101] Federally Enforceable Through Title V Permit
16. Daily Records of material weight sent to fuel bin shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Records of water/surfactant spray system 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. [40 CFR Part 64]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-12-3

**EXPIRATION DATE:** 08/31/2022

**SECTION:** 18   **TOWNSHIP:** 27S   **RANGE:** 28E

**EQUIPMENT DESCRIPTION:**

220 BHP (INTERMITTENT) CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED  
EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII]
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.56 g-NO<sub>x</sub>/bhp-hr, 0.597 g-CO/bhp-hr, or 0.067 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.079 g-PM<sub>10</sub>/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
9. 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). [40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
10. 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, emergency firefighting, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and to preserve or protect property, human life, or public health during a fire. 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". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. 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 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

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# ATTACHMENT C

## Detailed Summary List of Facility Permits

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**Detailed Facility Report**  
For Facility=91  
Sorted by Facility Name and Permit Number

<b>MT POSO COGENERATION CO LLC</b>		FAC #	<b>S 91</b>	TYPE:	<b>TitleV</b>	EXPIRE ON:	08/31/2022
<b>HEAVY OIL CENTRAL</b>		STATUS:	<b>A</b>	TOXIC ID:	<b>50171</b>	AREA:	9 /
<b>36157 FAMOSA HIGHWAY</b>		TELEPHONE:				INSP. DATE:	06/23
<b>BAKERSFIELD, CA 93308</b>							

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-91-1-14	No applicable fee	999-99	1	0.00	0.00	A	COAL, BIOMASS, BOTTOM ASH, SAND AND LIME CAKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION
S-91-2-7	No applicable fee	999-99	1	0.00	0.00	A	LIMESTONE STORAGE, HANDLING AND RECEIVING OPERATION INCLUDING 39,900 GALLON STORAGE SILO WITH FABRIC COLLECTOR AND EXHAUST FAN, TWO ROTARY AIR LOCK FEEDERS, TWO WEIGH BELT FEEDERS AND TWO ROTARY AIR LOCKS
S-91-3-26	49,900 kW built before 3/17/99	3020-08A G	1	12,254.00	12,254.00	A	49.9 MW COAL/BIOMASS AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT
S-91-4-10	No applicable fee	999-99	1	0.00	0.00	A	BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION INCLUDING PUG MILL WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 298 HP
S-91-5-4	No applicable fee	999-99	1	0.00	0.00	A	24,600 GALLON WATER TREATMENT LIME STORAGE SILO INCLUDING FABRIC COLLECTOR WITH 5 HP FAN, ONE 1000 LBM/HR SILO DISCHARGE ACTIVATOR AND ONE 1000 LBM/HR ENCLOSED VOLUMETRIC FEEDER
S-91-7-3	235 hp IC Engine	3020-10 C	1	290.00	290.00	D	235 BHP CATERPILLAR MODEL 3208T DIESEL-FIRED EMERGENCY IC ENGINE WITH A TURBOCHARGER POWERING A FIREWATER PUMP
S-91-8-4	No applicable fee	999-99	1	0.00	0.00	A	36,000 GPM HAMON MODEL #3374 THREE-CELL COOLING TOWER WITH 1,450 HP TOTAL
S-91-9-5	No applicable fee	999-99	1	0.00	0.00	A	PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION
S-91-10-7	1,276 hp	999-99	1	0.00	0.00	A	BIOMASS RECEIVING, CONVEYING, SCREENING AND STORAGE OPERATION, INCLUDING ONE TRUCK TIPPER W/ HOPPERS, TWO WALKING FLOOR UNLOADING STATIONS W/ HOPPERS, ONE HAMMER MILL (HOG), FOUR TRANSFER TOWERS, ONE RADIAL STACKER, ALL SERVED BY SURFACTANT SPRAY SYSTEM, AND AN OPEN FUEL YARD UNLOADING AREA EQUIPPED WITH PERMIT EXEMPT SURFACTANT SPRAY
S-91-11-7	196.5 hp	999-99	1	0.00	0.00	A	BIOMASS RECLAIMING OPERATION WITH ONE RECLAIMER, CONVEYORS, SCREEN, SCREENED FINES DISCHARGING TO TRUCK LOADOUT CONVEYOR, SCREENED FUEL CONVEYED TO COMBUSTOR FUEL BIN ALL SERVED BY SURFACTANT SPRAY SYSTEM, WITH ADDITIONAL FUEL LOADING ABILITY VIA FRONT END LOADER
S-91-12-3	220 hp IC engine	3020-10 C	1	290.00	290.00	A	220 BHP (INTERMITTENT) CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

Number of Facilities Reported: 1