



JUL 17 2017

Mr. Maynard Adams
Mt Poso Cogeneration Company LLC
P O Box 81256
Bakersfield, CA 93380-1256

**Re: Notice of Preliminary Decision – Title V Permit Renewal
District Facility # S-92
Project # S-1160711**

Dear Mr. Adams:

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 Rd, Bakersfield, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the renewed Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

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

Sincerely,


for Arnaud Marjollet
Director of Permit Services

Enclosures

cc: Tung Le, CARB (w/enclosure) via email
cc: Gerardo C. Rios, EPA (w/enclosure) via email

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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Bakersfield, CA 93308-9725
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Newspaper notice for publication in Bakersfield Californian and for posting on valleyair.org

**NOTICE OF PRELIMINARY DECISION
FOR THE PROPOSED RENEWAL OF
THE FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed renewal of the Federally Mandated Operating Permit to Mt Poso Cogeneration Company LLC at 36157 Famoso Rd, Bakersfield, California.

The District's analysis of the legal and factual basis for this proposed action, project #S-1160711, is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and at any District office. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed renewal of the Federally Mandated Operating permit. If requested, the District will hold a public hearing regarding issuance of this renewed permit. For additional information, please contact the District at (559) 230-6000. Written comments on the proposed initial permit must be submitted by <DATE> to **ARNAUD MARJOLLET, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.**

**AVISO DE DECISIÓN PRELIMINAR
PARA LA PROPUESTA OTORGACIÓN DE
UN PERMISO MANDATORIO FEDERAL PARA OPERAR**

POR EL PRESENTE SE NOTIFICA que el Distrito para el Control de la Contaminación del Aire del Valle de San Joaquín está solicitando comentario del público en la propuesta otorgación de un Permiso Mandatorio Federal Para Operar a Mt Poso Cogeneration Company LLC en 36157 Famoso Rd, Bakersfield, California.

El análisis del Distrito de los fundamentos jurídicos y fácticos de esta acción propuesta, Número del Proyecto #S-1160711, está disponible para la inspección del público en http://www.valleyair.org/notices/public_notices_idx.htm y en cualquiera de las oficinas del Distrito. No hay cambios en emisiones asociados con esta propuesta acción. Esta será la única oportunidad para que el público haga comentario en las condiciones específicas de esta propuesta renovación del permiso Mandatorio Federal Para Operar. Si se solicita, el Distrito tendrá una audiencia pública acerca de la otorgación de esta renovación al permiso. Para más información en Español, por favor comuníquese con el Distrito al (559) 230-6000. Comentarios por escrito acerca de este propuesto permiso inicial debe ser sometido antes del <Date> a **ARNAUD MARJOLLET, DIRECTOR DEL DEPARTAMENTO DE PERMISOS, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.**

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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: Tim Bush
Date: July 10, 2017

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

Contact Name: Maynard Adams
Phone: (661) 393-8891
E-Mail: adamsmz@dteenergy.com
Responsible Official: Maynard Adams
Title: Plant Manager

Project # : S-1160711
Deemed Complete: March 11, 2016

I. PROPOSAL

Mt Poso Cogeneration Co LLC was issued a Title V permit on April 28, 2000. The last renewed Title V permit was issued on March 30, 2012. As required by District Rule 2520, the applicant is requesting a permit renewal. 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 most recently renewed 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 Co 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 40 of the requirements for draft permit S-91-0-4.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated or Evaluated

- District Rule 2020, Exemptions
(amended December 20, 2007 ⇒ amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule
(amended December 18, 2008 ⇒ amended February 18, 2016)

- District Rule 2520, Federally Mandated Operating Permits (adopted June 15, 1995 ⇒ amended June 21, 2001)
- District Rule 4352, Solid Fuel Fired Boilers, Steam Generators, And Process Heaters (amended October 19, 1995 ⇒ amended December 15, 2011)
- District Rule 4702, Internal Combustion Engines (amended January 18, 2007 ⇒ amended November 14, 2013)
- 40 CFR Part 64, Compliance Assurance Monitoring (October 22, 1997)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended June 18, 2008 ⇒ amended June 25, 2013)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended June 18, 2008 ⇒ amended April 10, 2015)

B. Rules Removed

There are no applicable rules removed since the last Title V renewal.

C. Rules Added

- District Rule 2410, Prevention of Significant Deterioration (adopted June 16, 2011)
- District Rule 4301, Fuel Burning Equipment (amended December 17, 1992)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Compression Ignition Internal Combustion Engines (amended July 7, 2016)
- 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 June 18, 2008 ⇒ amended June 25, 2013)

D. Rules Not Updated

- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 17, 1992)
- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)

- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4601, Architectural Coatings (amended December 17, 2009)
- District Rule 8011, Fugitive Dust General Requirements (amended August 19, 2004)
- District Rule 8021, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Construction, Demolition, Excavation, and Extraction Activities (amended August 19, 2004)
- District Rule 8031, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Handling and Storage of Bulk Materials (amended August 19, 2004)
- District Rule 8041, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Open Area (amended August 19, 2004)
- District Rule 8061, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Unpaved Vehicle/Equipment Areas (amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating 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

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

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

S-91-12-3: 220 BHP (INTERMITTENT) CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

- Conditions 4, 5, 6, 7, 10, 11, 12, and 13 of the draft requirements for this permit unit ensure compliance with this rule.

B. Rules Not Updated

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

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. District Rule 2020 - Exemptions

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

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

District Rule 2201 has been amended since this facility's most recently renewed 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 2410 - Prevention of Significant Deterioration (PSD)

District Rule 2410 has been newly adopted since this Title V permit was last renewed. However the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any PSD permit actions have already been incorporated into the current Title V permit.

D. District Rule 2520 - Federally Mandated Operating Permits

No changes to this Rule have occurred since issuance of the previous TV permit; however, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

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.

E. District Rule 4301 - Fuel Burning Equipment

The purpose of this rule is to limit the emission of air contaminants from fuel burning equipment. This rule limits the concentration of combustion contaminants and specifies maximum emission rates for sulfur dioxide, nitrogen oxide and combustion contaminant emissions.

S-91-3-23: 49.9 MW COAL/PETROLEUM COKE/BIOMASS AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT

This rule specifies maximum emission rates in lb/hr for SO₂, NO₂, and combustion contaminants (defined as total PM in Rule 1020). This rule also limits combustion contaminants to ≤ 0.1 gr/scf. The following table summarizes the maximum lb/hr emissions limits of this rule:

District Rule 4301 Limits (lb/hr)			
Permit	NO_x	Total PM	SO₂
S-91-3-23	140	7.92	25.0
Rule Limit (lb/hr)	140	10	200

Conditions 26, 27, and 28 on draft permit S-91-3-23 ensure compliance with this rule.

F. District Rule 4352 – Solid Fuel Fired Boilers, Steam Generator, And Process Heaters

The purpose of this rule is to limit NO_x and CO emissions from solid fuel fired boilers, steam generators and process heaters. This rule applies to any boiler, steam generator or process heater fired on solid fuel. Heat may be supplied by liquid or gaseous fuels for start-ups, shutdowns, and during other flame stabilization periods, as deemed necessary by the owner/operator.

S-91-3-23: 49.9 MW COAL/PETROLEUM COKE/BIOMASS AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT

Table 5.1 limits NO_x and CO emissions to the following:

District Rule 4352 Limits (ppmv @ 3% O₂)		
Permit	NO_x	CO
Biomass	90	400
All Other Fuel	65	400
S-91-3-23 Limits	65	183

Conditions 34 and 35 on draft permit S-91-3-23 ensure compliance with Table 5.1.

Section 5.2 states that all NO_x and CO emission limits shall be based on a block 24-hour average.

Conditions 34 and 35 on draft permit S-91-3-23 ensure compliance with this rule.

Section 5.3 has startup and shutdown provisions. Section 5.3.1 limits the duration of each shutdown to 12 hours. Section 5.3.2 limits the duration of each startup to 96 hours. If curing of the refractory is required after a modification to the unit is made, the duration of startup shall not exceed 192 hours.

Conditions 37 and 38 on draft permit S-91-3-23 ensure compliance with this rule.

Section 5.4 states that the owner/operator of any unit using ammonia injection as a NO_x control technique, shall operate a Continuous Emissions Monitoring system (CEM) to monitor and record NO_x concentrations, CO₂ or O₂ concentrations, as well as the NO_x emission rate.

Condition 76 on draft permit S-91-3-23 ensures compliance with this rule.

Section 6.1 states except for municipal solid waste (MSW) fired units; the owner/operator of any unit subject to the requirements of this rule shall maintain, on a monthly basis, an operating log for each unit that includes the type and quantity of fuel used, and the higher heating value (hhv) of each fuel as determined by Section 6.3, or as certified by a third party fuel supplier. The records required by Section 6.1.1 shall be retained on site for a period of five years, and shall be made available to the APCO, ARB, and EPA upon request.

Conditions 83 and 87 on draft permit S-91-3-23 ensure compliance with this rule.

Section 6.2 states each unit subject to the requirements of this rule shall be tested at least once every 12 months, to determine compliance with the applicable requirements of Section 5.0. All emission measurements 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.

Conditions 72 and 74 on draft permit S-91-3-23 ensure compliance with this rule.

G. District Rule 4702 – Internal Combustion Engines

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SO_x) from internal combustion engines. This rule applies to any internal combustion engine rated at 25 brake horsepower or greater.

S-91-12-3: 220 BHP (INTERMITTENT) CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

Section 4.3.1 states that only the requirements of Section 6.2.3 shall apply to an IC engine that meets the following conditions:

- 4.3.1.1 The engine is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood; and
- 4.3.1.2 Except for operations associated with Section 4.3.1.1, the engine is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine; and
- 4.3.1.3 The engine is operated with an operational nonresettable elapsed time meter. In lieu of installing a nonresettable elapsed time meter, the operator of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA. The operator of the engine shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions.

Emergency firewater IC engines meet the requirements of the Section 4.3.1 exemption. Therefore, only the administrative requirements of Section 6.2.3 are applicable.

Conditions 4 and 11 on draft permit S-91-12-3 ensure compliance with this rule.

Section 6.2.3 requires an operator claiming an exemption under Section 4.2 or Section 4.3 to maintain annual operating records of the following. Records shall be retained for at least five years, shall be readily available, and provided to the APCO upon request.

- 6.2.3.1 Total hours of operation,
- 6.2.3.2 The type of fuel used,
- 6.2.3.3 The purpose for operating the engine,

6.2.3.4 For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and

6.2.3.5 Other support documentation necessary to demonstrate claim to the exemption.

Conditions 10, 12, and 13 on draft permit S-91-12-3 ensure compliance with this rule.

H. 40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Section 60.4200 - Applicability

This subpart is applicable to owners and operators of stationary compression ignited internal combustion engines that commence construction after July 11, 2005, where the engines are:

- 1) Manufactured after April 1, 2006, if not a fire pump engine.
- 2) Manufactured as a National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

S-91-12-3: 220 BHP (INTERMITTENT) CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

The engine listed on draft permit S-91-12-3 was installed after July 11, 2005 and was manufactured after April 1, 2006, this subpart applies.

Sections 60.4201 through 60.4203 apply to engine manufacturers. Therefore, these sections will not be discussed unless they are referenced later by another section of this subpart.

Section 60.4205(c) states that owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart for all pollutants.

Table 4 to Subpart IIII of Part 60—Emission Standards for Stationary Fire Pump Engines in g/KW-hr (g/hp-hr)

Maximum engine power	Model year(s)	NMHC + NO _x	CO	PM
KW<8 (HP<11)	2010 and earlier	10.5 (7.8)	8.0 (6.0)	1.0 (0.75)
	2011+	7.5 (5.6)		0.40 (0.30)
8≤KW<19 (11≤HP<25)	2010 and earlier	9.5 (7.1)	6.6 (4.9)	0.80 (0.60)
	2011+	7.5 (5.6)		0.40 (0.30)
19≤KW<37 (25≤HP<50)	2010 and earlier	9.5 (7.1)	5.5 (4.1)	0.80 (0.60)
	2011+	7.5 (5.6)		0.30 (0.22)
37≤KW<56 (50≤HP<75)	2010 and earlier	10.5 (7.8)	5.0 (3.7)	0.80 (0.60)
	2011+ ¹	4.7 (3.5)		0.40 (0.30)
56≤KW<75 (75≤HP<100)	2010 and earlier	10.5 (7.8)	5.0 (3.7)	0.80 (0.60)
	2011+ ¹	4.7 (3.5)		0.40 (0.30)
75≤KW<130 (100≤HP<175)	2009 and earlier	10.5 (7.8)	5.0 (3.7)	0.80 (0.60)
	2010+ ²	4.0 (3.0)		0.30 (0.22)
130≤KW<225 (175≤HP<300)	2008 and earlier	10.5 (7.8)	3.5 (2.6)	0.54 (0.40)
	2009+ ³	4.0 (3.0)		0.20 (0.15)
225≤KW<450 (300≤HP<600)	2008 and earlier	10.5 (7.8)	3.5 (2.6)	0.54 (0.40)
	2009+ ³	4.0 (3.0)		0.20 (0.15)
450≤KW≤560 (600≤HP≤750)	2008 and earlier	10.5 (7.8)	3.5 (2.6)	0.54 (0.40)
	2009+	4.0 (3.0)		0.20 (0.15)
KW>560 (HP>750)	2007 and earlier	10.5 (7.8)	3.5 (2.6)	0.54 (0.40)
	2008+	6.4 (4.8)		0.20 (0.15)

¹ For model years 2011-2013, manufacturers, owners and operators of fire pump stationary CI ICE in this engine power category with a rated speed of greater than 2,650 revolutions per minute (rpm) may comply with the emission limitations for 2010 model year engines.

² For model years 2010-2012, manufacturers, owners and operators of fire pump stationary CI ICE in this engine power category with a rated speed of greater than 2,650 rpm may comply with the emission limitations for 2009 model year engines.

³ In model years 2009-2011, manufacturers of fire pump stationary CI ICE in this engine power category with a rated speed of greater than 2,650 rpm may comply with the emission limitations for 2008 model year engines.

Conditions 6 and 7 of draft permit S-91-12-3 ensure compliance with this rule.

Section 60.4206 states that owners or operators of CI engines must meet the applicable emission standards for the entire life of said engines. The Tier 3

level emissions for the engine will be listed on the permit as emission factors, ensuring that the emission standards are met over the entire life of the engine.

Section 60.4207(b) states that beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Section 80.510(b) states that beginning June 1, 2010, except as otherwise specifically provided in this subpart, the sulfur content for all non-road diesel fuel shall not exceed 15 ppm.

Condition 5 of the draft permit S-91-12-3 ensures compliance with this rule.

Section 60.4208 lists deadline dates for importing or installing stationary CI engines produced in the previous model year. None of the deadline dates affect the engine. Therefore, this section does not apply.

Section 60.4209 applies to emergency stationary CI engines that do not meet the applicable standards and stationary CI engines equipped with a diesel particulate filter. The engine does not fall under either of these two categories. Therefore, this section does not apply.

Section 60.4210 applies only to engine manufacturers. Therefore, this section will not be discussed unless it is referenced later by another section of this subpart.

Section 60.4211(a) states that owners or operators who comply with the emission standards specified in this subpart must operate and maintain the stationary CI engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer.

Condition 9 of the draft permit S-91-12-3 ensures compliance with this rule.

I. 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters

This subpart establishes national emission limitations and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and work practice standards. The applicant has conducted testing indicating this facility is a major source for HAPs (in particular HCl), so this subpart applies.

S-91-3-23: 49.9 MW COAL/PETROLEUM COKE/BIOMASS AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT

Per Section 60.7495(b), compliance with this subpart is required for existing boilers or process heater no later than January 31, 2016, except as provided in Section 63.6(i), which may potentially allow for an extension of compliance with the emission standards. Therefore, the facility will need to submit applications to comply with this subpart by the compliance dates.

Per Table 2 (Emission Limits for Existing Boilers and Process Heaters), permit unit S-91-3-23 is subject to HCl emission limits of 0.022 lb/MMBtu and mercury emission limits of 0.0000057 lb/MMBtu. Table 2 also limits CO and filterable PM emissions. The emission unit is subject to CO emissions from a fluidized bed combustor not to exceed 310 ppmvd @ 3% O₂ on a 30-day rolling average basis and filterable PM emissions from a fluidized bed combustor not to exceed 1.1e-01 lb/MMBtu heat input.

Conditions 65, 66, 67, and 68 of draft permit S-91-3-23 ensure compliance with this rule.

Per Table 3 (Work Practice Standards), the permittee of an existing boiler must have a one-time energy assessment performed by a qualified energy assessor. The energy assessment must include the following items with extent of the evaluation for items a through e appropriate for the on-site technical hours listed in 40 CFR 63.7575: a) A visual inspection of the boiler or process heater system; b) An evaluation of operating characteristics of the boiler, specification of energy using systems, operating and maintenance procedures, and unusual operating constraints; c) An inventory of major energy use systems consuming energy from the boiler and which are under the control of the boiler owner/operator; d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage; e) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified; f) A list of cost effective energy conservation measures that are within the facility's control; g) A list of energy savings potential of the energy conservation measures identified; and h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those improvements.

Condition 81 of draft permit S-91-2-23 ensures compliance with this rule.

Table 4 (Operating Limits for Boilers and Process Heaters) specifies the operating limits the permittee must meet depending on the control equipment utilized to meet the emission requirements in this section.

Conditions 70, 71, 77, 78, and 80 on draft permit S-91-3-23 ensure compliance with this rule.

Table 5 (Performance Testing Requirements) lists the requirements for performance testing. Table 6 (Fuel Analysis Requirements) lists the methods the permittee must conduct for fuel analyses for various pollutants.

Condition 72 on draft permit S-91-3-23 ensures compliance with this rule.

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

40 CFR Part 64 requires Compliance Assurance Monitoring for units that meet the following three criteria:

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

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

a. S-91-1-13 COAL/PETROLEUM COKE, 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 PM₁₀. A truck unloading operation with water misting for dust suppression and a storage silo with two day bins all with bin vent filters.

The truck unloading operation has an emissions limit for PM₁₀ and add-on controls. The permit unit is limited to 0.74 lb-PM₁₀/hour for 8 hours per day calculated on a control efficiency of 70% for the water misting system.

Uncontrolled emissions are calculated as follow:

$$\begin{aligned} PE_{\text{uncontrolled}} &= PE_{\text{controlled}} \div (1 - 0.70) \\ &= 0.74 \text{ lb-PM}_{10}/\text{hr} \times 8 \text{ hr/day} \times 365 \text{ days/yr} \div (1 - 0.70) \\ &= 7,202 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

The uncontrolled PM10 emissions for this permit unit are less than the major source threshold; therefore, CAM is not required for this emissions unit.

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-91-2-7 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

PM₁₀ 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-91-3-23 49.9 MW COAL/PETROLEUM COKE/BIOMASS AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT

Emissions from this unit include NO_x, SO_x, PM₁₀, CO, and VOC. The unit has a continuous emissions monitoring system (CEMS) for NO_x, SO_x, opacity and CO. VOC emissions are not monitored by the CEMS; however, there is no emissions control for VOC. CAM, for NO_x, SO_x, PM₁₀, and CO emissions, is satisfied by the conditions requiring CEMS to be installed, calibrated, maintained, and data recorded.

Conditions 44, 45, 46, 47, 48, 49, 50, 51, and 52.

d. S-91-4-10 BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION INCLUDING PUG MILL WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 298 HP

PM₁₀ is the only pollutant emitted from this unit. This unit has an emissions limit for PM₁₀ and an add-on control. The permit unit is limited to 0.0 lb-

PM₁₀/hour, rounded down from 0.0049 lb-PM₁₀/hr calculated on a control efficiency of 99% for the baghouse.

Uncontrolled emissions are calculated as follow:

$$\begin{aligned} PE_{\text{uncontrolled}} &= PE_{\text{controlled}} \div (1 - 0.70) \\ &= 0.0049 \text{ lb-PM}_{10}/\text{hr} \times 24 \text{ hr/day} \times 365 \text{ days/yr} \div (1 - 0.99) \\ &= 4,292 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

The uncontrolled PM₁₀ emissions for this permit unit are less than the major source threshold; therefore, CAM is not required for this emissions unit.

e. S-91-5-4 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

PM₁₀ is the only pollutant emitted from this unit. This unit has an emissions limit for PM₁₀ and an add-on control for the silo and associated equipment. The permit unit is limited to 0.17 lb-PM₁₀/hour at three hours calculated on a control efficiency of 99% for the baghouse.

Uncontrolled emissions are calculated as follow:

$$\begin{aligned} PE_{\text{uncontrolled}} &= PE_{\text{controlled}} \div (1 - 0.70) \\ &= 0.17 \text{ lb-PM}_{10}/\text{hr} \times 3 \text{ hr/day} \times 365 \text{ days/yr} \div (1 - 0.99) \\ &= 18,615 \text{ lb-PM}_{10}/\text{year} \end{aligned}$$

The uncontrolled PM₁₀ emissions for this permit unit are less than the major source threshold; therefore, CAM is not required for this emissions unit.

f. S-91-8-4 36,000 GPM HAMON MODEL #3374 THREE-CELL COOLING TOWER WITH 1,450 HP TOTAL

This unit is not subject to CAM because it does not have an emissions limit.

g. S-91-9-4 PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION

This unit is not subject to CAM because it does not have an emissions control system.

h. S-91-10-6 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 MULTIPLE BAGHOUSES, AND AN OPEN FUEL YARD UNLOADING AREA EQUIPPED WITH PERMIT EXEMPT SURFACTANT SPRAY

From project S-1113704, this permit unit has four emissions units that only emit PM₁₀.

Potential to Emit	
S-91-10-6	Annual PM ₁₀ (lb/year)
9 Dust Collector & 2 Baghouses	9,461
2 Controlled Points	1,205
Truck To Fuel Yard	482
Total	11,147

The dust collectors and baghouses have an emissions limit. Therefore, these units may be subject to CAM.

Uncontrolled emissions from each dust collector are calculated as follows:

$$\begin{aligned}
 PE_{\text{uncontrolled}} &= PE_{\text{controlled}} \div (1 - 0.99) \\
 &= (9,461 \text{ lb-PM}_{10}/\text{year} \div 9 \text{ units}) \div (1 - 0.99) \\
 &= 105,122 \text{ lb-PM}_{10}/\text{year}
 \end{aligned}$$

The uncontrolled PM₁₀ emissions for this permit unit are less than the major source threshold; therefore, CAM is not required for these emissions units.

Emissions from the two controlled points and the truck to fuel yard are fugitive emissions with water spray. Because the emissions are fugitive, the units are not subject to CAM.

i. S-91-11-6 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 BAGHOUSE, WITH ADDITIONAL FUEL LOADING ABILITY VIA FRONT END LOADER

From project S-1113704, this permit unit has four emissions units that only emit PM₁₀.

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

L. 40 CFR Part 82, Subpart F - Recycling and Emission Reduction

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

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

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

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

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 are included as conditions 39 and 40 of the facility-wide requirements (S-91-0-4).

Potential to Emit	
S-91-11-6	Annual PM ₁₀ (lb/year)
2 Baghouses	3,379
Reclaim to Conveyor	289
Fuel to Bin	482
Total	11,147

The dust collectors and baghouse have an emissions limit. Therefore, these units may be subject to CAM.

Uncontrolled emissions from each dust collector are calculated as follows:

$$\begin{aligned}
 PE_{\text{uncontrolled}} &= PE_{\text{controlled}} \div (1 - 0.99) \\
 &= (3,379 \text{ lb-PM}_{10}/\text{year} \div 2 \text{ units}) \div (1 - 0.99) \\
 &= 168,950 \text{ lb-PM}_{10}/\text{year}
 \end{aligned}$$

The uncontrolled PM₁₀ emissions for these emission units are greater than the major source threshold; therefore, CAM is required for these emissions units.

Conditions 29 through 33 on draft permit S-91-11-6 ensure compliance with CAM requirements.

Emissions from the reclaim conveyor and fuel bin are fugitive emissions. Because the emissions are fugitive, the units are not subject to CAM.

j. S-91-12-3: 220 BHP (INTERMITTENT) CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

This emissions unit has emissions limits but does not have add on controls. Therefore, this unit is exempt for CAM requirements.

K. 40 CFR Part 82, Subpart B - Servicing of Motor Vehicle Air Conditioners

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

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

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 Section 15281, the issuance, modification, amendment, or renewal of any permit by an air pollution control district or air quality management district pursuant to Title V is exempt from CEQA, unless the issuance, modification, amendment, or renewal authorizes a physical or operational change to a source or facility. There will be no physical or operational change to the source or facility nor will the Title V permit renewal authorize a physical or operational change to the source or facility. Therefore, this project, a Title V permit renewal, is subject to a ministerial action that is exempt from CEQA.

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

ATTACHMENTS

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

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-91-0-4

EXPIRATION DATE: 08/31/2016

FACILITY-WIDE REQUIREMENTS

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC
Location: HEAVY OIL CENTRAL, CA

S-91-0-4 : Jun 26 2017 1:45PM - BUSHT

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. {4400} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. {4401} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. 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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-1-13

EXPIRATION DATE: 08/31/2016

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

EQUIPMENT DESCRIPTION:

COAL/PETROLEUM COKE, 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. 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
2. 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
3. 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
4. Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and two storage day bins each with bin vent filter and exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include an unloading hopper and transfer conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
6. 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
7. 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
8. 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
9. 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
10. All conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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
12. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [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, CA

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13. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
14. 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
15. Each fabric collector shall automatically activate whenever process equipment served is activated. [District Rule 2201] Federally Enforceable Through Title V Permit
16. 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
17. 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
18. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District Rule 2201] Federally Enforceable Through Title V Permit
21. 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
22. 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
23. 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
24. 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
25. 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
26. 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
27. 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
28. 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
29. 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
30. PM10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
31. PM10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
32. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

33. 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
34. 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
35. 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
36. 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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-2-7

EXPIRATION DATE: 08/31/2016

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, CA

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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.

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, CA

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-3-23

EXPIRATION DATE: 08/31/2016

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

EQUIPMENT DESCRIPTION:

49.9 MW COAL/PETROLEUM COKE/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 (NO_x control), and pulverized limestone/lime cake injection (SO_x 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. 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
7. 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
8. 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
9. Fabric collector shall include a minimum of 134,230 sq. ft. of filtering area, fly ash hopper, with 8 KW electric heater, d.p. transmitter, capacitance type high level detector, vibrator and aeration pad. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Fly ash collected at fabric collector shall be discharged only to fly ash handling system. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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

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, CA

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12. 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
13. 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
14. 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
15. Fabric collector shall be equipped with automatic cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All combustor exhaust gas shall pass through fabric collector prior to being emitted to atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. 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
20. The sum of the combined coal, coke, 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
21. 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
22. "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
23. 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
24. 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
25. 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]
26. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. 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
28. 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
29. 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
30. 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
31. 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
32. Emission rate of volatile organic compounds shall not exceed 6.25 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
33. 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
34. 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
35. 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
36. Nitrogen oxides (NOx) shall not exceed 140 lb/hr, calculated as NO2. [District Rule 4301] Federally Enforceable Through Title V Permit
37. 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
38. 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
39. 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
40. 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
41. 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
42. Permittee shall report the following emission exceedances to the District: SO2, NOx, 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, SO2, and NOx 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

43. 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
44. 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_x, SO₂, and CO concentrations. [District Rules 1080, 4.0, 2201, and 2410 and 40 CFR 64] Federally Enforceable Through Title V Permit
45. 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
46. 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
47. 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
48. 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
49. 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
50. 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
51. 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
52. 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
53. 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
54. 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
55. 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
56. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

57. 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
58. 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
59. 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
60. 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
61. 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
62. Permittee shall maintain monthly records of NO_x, SO_x, and CO to ensure that emissions limits on an annual rolling average are met. [District Rule 2201] Federally Enforceable Through Title V Permit
63. Permittee shall comply with the requirements of 40 CFR 63, Part DDDDD. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
64. 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
65. 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
66. 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
67. 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
68. Filterable PM emissions from the fluidized bed combustor shall not exceed 1.1e-01 lb/MMBtu heat input. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
69. Opacity from the fluidized bed combustor shall not exceed 10% on a daily block average. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
70. Minimum limestone injection rate shall be established as defined by 40 CFR 63.7575 as an operating limit during three-run performance test during HCl performance test. Sorbent injection rate data from sorbent injection rate monitors shall be collected every 15 minutes during the entire period of the performance tests. [40 CFR Part 63, Subpart DDDDD, Table 7] Federally Enforceable Through Title V Permit
71. Minimum limestone injection rate means the load fraction multiplied by the lowest hourly average limestone injection rate during the most recent performance test demonstrating compliance with the HCl emissions limit. Load fraction is the actual gross megawatt hourly average for the boiler operating day divided by the gross megawatt associated with the lowest injection rate during the performance test that established the minimum sorbent injection rate, expressed as a fraction (e.g. for 50% load the load fraction is 0.5). [40 CFR 63.7575, Definitions] 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.

72. Performance testing shall be conducted annually for NO_x, CO, SO_x, PM, PM (10), Hg and HCl at the maximum operating capacity using the following test methods, for NO_x EPA Method 7E or ARB Method 100; for CO EPA Method 10 or ARB Method 100; for SO_x 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, for HCl EPA Method 26 or EPA Method 26A 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
73. 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
74. 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
75. 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
76. Permittee shall operate a Continuous Emissions Monitoring (CEM) system to monitor and record NO_x concentrations, O₂ concentrations, and CO concentrations as well as the NO_x 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 and 3, 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
77. Limestone injection rate shall be monitored with data reduced to 30-day rolling averages, rolled by day. The 30-day rolling average limestone injection rate shall be maintained at or above the minimum sorbent injection rate. [40 CFR Part 63, Subpart DDDDD, Table 8] Federally Enforceable Through Title V Permit
78. The limestone silo weight monitor used for the limestone injection rate must be installed, operated, and maintained according to the requirements of 40 CFR 63.7525 (d) and 40 CFR 63.7525 (i). [40 CFR Part 63, Subpart DDDDD, Table 8] Federally Enforceable Through Title V Permit
79. In addition to the performance tune-up required by Condition 53, 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 and 3, and 40 CFR 60 Appendix F, Quality Assurance Procedures. Per Section 5.1.1 of Appendix F, at least once each calendar year, a Relative Accuracy Test Audit (RATA) must be conducted. Per Sections 5.1.2 and 5.1.3 of Appendix F, a Cylinder Gas Audit (CGA) and a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [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.

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
83. 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
84. 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
85. 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
86. 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
87. 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.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-4-10

EXPIRATION DATE: 08/31/2016

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.

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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-5-4

EXPIRATION DATE: 08/31/2016

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, CA

S-91-5-4 : Jul 12 2017 3:55PM -- BUSH

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.

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, CA

S-91-5-4 : Jul 12 2017 3:56PM - BUSHY

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-8-4

EXPIRATION DATE: 08/31/2016

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

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-91-9-4

EXPIRATION DATE: 08/31/2016

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

EQUIPMENT DESCRIPTION:

PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION

PERMIT UNIT REQUIREMENTS

1. 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
2. Total quantity of petroleum coke unloaded shall not exceed 700 tons day. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. Petroleum coke shall have a minimum moisture content of 10% as received. [District Rule 2201] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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
8. 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.

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, CA

S-91-9-4 Jul 12 2017 2:56PM -- BUSHT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-10-6

EXPIRATION DATE: 08/31/2016

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 MULTIPLE BAGHOUSES, 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 baghouse exhaust, paved road, hoppers, conveyor transfer points, scalping screen, hammermill/hog, or stacking. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
3. 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
4. Bag house 1 and 2 shall operate 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
5. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
7. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
9. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. 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
15. Receiving hoppers shall be vented to baghouse #1. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Baghouse #1 shall consist of: filter model CPV-12 or equivalent equipped with 3,216 sq.ft. of filter area operating with an air volume not to exceed 18,000 scfm and filter model CPV-6 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Operation shall include belt type magnetic separator and magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Disk type scalping screen and hammermill type hog shall both be vented to baghouse #2. [District Rule 2201] Federally Enforceable Through Title V Permit
19. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Baghouse #2 shall consist of: filter model CPV-6 or equivalent equipped with 402 sq.ft. of filter area operating with an air volume not to exceed 3,000 scfm, filter model CPV-8 or equivalent equipped with 536 sq.ft. of filter area operating with an air volume not to exceed 4,000 scfm, and filter model CPV-16 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 8,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Operation shall include a radial stacker with telescoping spout equipped with a water spray ring. [District Rule 2201] Federally Enforceable Through Title V Permit
22. 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
23. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
24. Emissions for this operation shall not exceed 30.5 lb-PM10/day nor 11,147 lb-PM10/year. [District Rule 2201] Federally Enforceable Through Title V Permit
25. 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
26. Operator shall record the daily number of fuel delivery truck loads. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
28. 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
29. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [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.

31. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-11-6

EXPIRATION DATE: 08/31/2016

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 BAGHOUSE, 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 baghouse exhaust, 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. Bag house 3 shall operate whenever material is being reclaimed or conveyed via reclaimer/stacker. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Bag house 4 shall operate whenever fine material is being unloaded at truck loadout station. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
7. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
9. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Material reclaimed via stacker/reclaimer shall not exceed 1,440 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material reclaimed via front-end loader shall not exceed 1,200 dry tons/day. [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. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
15. Reclaiming pickup points shall be vented to baghouse #3. [District Rule 2201] Federally Enforceable Through Title V Permit
16. 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
17. Gyration type screen shall be vented to baghouse #3. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Baghouse #3 shall consist of filter model CPV-6 or equivalent equipped with 2,010 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Operation shall include a fully enclosed fine material truck loadout vented to baghouse #4. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Baghouse #4 shall consist of filter model CPV-6 or equivalent equipped with 804 sq.ft. of filter area operating with an air volume not to exceed 6,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
22. 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
23. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. 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
25. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
26. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Daily Records of material weight sent to fuel bin shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Each baghouse (baghouse #3 and baghouse #4) 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 Part 64] Federally Enforceable Through Title V Permit
30. The differential pressure gauge reading range for baghouse #3 and baghouse #4 shall be established per manufacturer's recommendation during the next annual inspection. [40 CFR Part 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.

31. During each day baghouse #3 and baghouse #4 operate, the permittee shall record the differential pressure of the baghouses and compare the reading with the permitted range. If the baghouse differential pressure falls outside the permitted range, the permittee shall take all necessary steps to return the differential pressure to within the permitted range as soon as possible, but no longer than three hours after detection. If the differential pressure cannot be returned within the permitted range within three hours of operation following detection, the permittee shall shut the operation down and make all necessary repairs to bring the differential pressure back to within the permitted range. [40 CFR Part 64] Federally Enforceable Through Title V Permit
32. Visible emissions from the baghouse #3 and baghouse #4 shall be evaluated using EPA Method 22 for a period of at least 6 minutes at least once during each day that the baghouse is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions as expeditiously as possible. Corrective action shall include the following: inspecting the baghouse for any tears, abrasions, or holes in the filters; inspecting the baghouse for damage; and repairing or replacing any defective or damaged material. [40 CFR Part 64]
33. Records of baghouse #3 and baghouse #4 maintenance, inspections, and repair shall be maintained. The records shall include identification of 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: 08/31/2016

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, CA

S-91-12-3: Jul 12 2017 4:27PM - BUSHT

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.

ATTACHMENT B

Previous Title V Operating Permit



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



Permit to Operate

FACILITY: S-91

EXPIRATION DATE: 08/31/2016

LEGAL OWNER OR OPERATOR:

MT POSO COGENERATION CO LLC

MAILING ADDRESS:

PO BOX 81256

BAKERSFIELD, CA 93380-1256

FACILITY LOCATION:

HEAVY OIL CENTRAL

CA

FACILITY DESCRIPTION:

COGENERATION

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Seyed Sadredin

Executive Director / APCO

Arnaud Marjollet

Director of Permit Services

San Joaquin Valley Air Pollution Control District

FACILITY: S-91-0-3

EXPIRATION DATE: 08/31/2016

FACILITY-WIDE REQUIREMENTS

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, CA

S-91-0-3 : Jun 26 2017 3:00PM - BUSHT

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-91-1-12

EXPIRATION DATE: 08/31/2016

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

EQUIPMENT DESCRIPTION:

COAL/PETROLEUM COKE, 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. 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
2. 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
3. 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
4. Operation shall include reclaim vibrating feeder, ring crusher, 200 tph day bin bucket elevator, one "en masse" conveyor and two storage day bins each with bin vent filter and exhaust fan. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Operation shall include an unloading hopper and transfer conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
6. 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
7. 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
8. 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
9. 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
10. All conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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
12. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [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. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District Rule 2201] Federally Enforceable Through Title V Permit
14. 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
15. Each fabric collector shall automatically activate whenever process equipment served is activated. [District Rule 2201] Federally Enforceable Through Title V Permit
16. 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
17. 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
18. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District Rule 2201] Federally Enforceable Through Title V Permit
21. 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
22. 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
23. 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
24. 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
25. 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
26. 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
27. 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
28. 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
29. 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
30. PM-10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
31. PM-10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
32. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

33. 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
34. 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
35. 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
36. 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-91-2-6

EXPIRATION DATE: 08/31/2016

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 NSR Rule] Federally Enforceable Through Title V Permit
2. Fabric collector shall be equipped with automatically activated reverse pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
6. Fabric collector shall have 25 - 7 ft. long x 5.75 in. diameter polyester bags. [District NSR Rule] 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 NSR Rule] 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 4101 and 4641 and District NSR Rule] Federally Enforceable Through Title V Permit
9. PM-10 emission rate from this operation shall not exceed 0.00 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
10. There shall be no detectable emissions from any source whatsoever in this permit unit. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Limestone shall only be transferred into this silo only if fabric collectors are operating and functioning properly. [District NSR Rule] 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-91-3-22

EXPIRATION DATE: 08/31/2016

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

EQUIPMENT DESCRIPTION:

49.9 MW COAL/PETROLEUM COKE/BIOMASS/CREOSOTE-TREATED RAILROAD TIES 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]
3. Operation shall include Ahlstrom Pyroflow atmospheric fluidized bed combustor incorporating low temperature staged combustion and ammonia injection (NO_x control), and pulverized limestone/lime cake injection (SO_x 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. 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
7. 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
8. 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
9. Fabric collector shall include a minimum of 134,230 sq. ft. of filtering area, fly ash hopper, with 8 KW electric heater, d.p. transmitter, capacitance type high level detector, vibrator and aeration pad. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Fly ash collected at fabric collector shall be discharged only to fly ash handling system. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Ash shall only be removed from combustion system by means authorized to Permit to Operate S-91-4. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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
13. 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
14. 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
15. Fabric collector shall be equipped with automatic cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
16. All combustor exhaust gas shall pass through fabric collector prior to being emitted to atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. 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
20. The sum of the combined coal, coke, 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
21. 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
22. "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 Rule 4102] Federally Enforceable Through Title V Permit
23. 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
24. 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
25. 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]
26. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. Emission rate of PM-10 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
28. Emission rate of SO_x (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
29. SO_x 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
30. 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
31. NO_x 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
32. Emission rate of volatile organic compounds shall not exceed 6.25 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
33. 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
34. NO_x 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
35. 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
36. Nitrogen oxides (NO_x) shall not exceed 140 lb/hr, calculated as NO₂. [District Rule 4301] Federally Enforceable Through Title V Permit
37. 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
38. 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
39. 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
40. 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
41. Performance testing shall be witnessed or authorized 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
42. Permittee shall report the following emission exceedences to the District: SO₂, NO_x, 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, SO₂, and NO_x 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

43. 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
44. 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_x, SO₂, and CO concentrations. [District Rules 1080, 4.0, 2201, and 2410] Federally Enforceable Through Title V Permit
45. 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 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
46. 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. [PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
47. 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] Federally Enforceable Through Title V Permit
48. 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 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
49. 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 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
50. 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 and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
51. 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] Federally Enforceable Through Title V Permit
52. 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] Federally Enforceable Through Title V Permit
53. 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
54. 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
55. 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
56. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

57. 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
58. 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
59. 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
60. 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
61. 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
62. Permittee shall maintain monthly records of NO_x, SO_x, and CO to ensure that emissions limits on an annual rolling average are met. [District Rule 2201] Federally Enforceable Through Title V Permit
63. Permittee shall comply with the requirements of 40 CFR 63, Part DDDDD. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
64. 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
65. 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
66. 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
67. 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
68. Filterable PM emissions from the fluidized bed combustor shall not exceed 1.1e-01 lb/MMBtu heat input. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
69. Opacity from the fluidized bed combustor shall not exceed 10% on a daily block average. [40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
70. Minimum limestone injection rate shall be established as defined by 40 CFR 63.7575 as an operating limit during three-run performance test during HCl performance test. Sorbent injection rate data from sorbent injection rate monitors shall be collected every 15 minutes during the entire period of the performance tests. [40 CFR Part 63, Subpart DDDDD, Table 7] Federally Enforceable Through Title V Permit
71. Minimum limestone injection rate means the load fraction multiplied by the lowest hourly average limestone injection rate during the most recent performance test demonstrating compliance with the HCl emissions limit. Load fraction is the actual gross megawatt hourly average for the boiler operating day divided by the gross megawatt associated with the lowest injection rate during the performance test that established the minimum sorbent injection rate, expressed as a fraction (e.g. for 50% load the load fraction is 0.5). [40 CFR 63.7575, Definitions] 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.

72. Performance testing shall be conducted annually for NO_x, CO, SO_x, PM, PM (10), Hg and HCl at the maximum operating capacity using the following test methods, for NO_x EPA Method 7E or ARB Method 100; for CO EPA Method 10 or ARB Method 100; for SO_x 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, for HCl EPA Method 26 or EPA Method 26A 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 Rule 4301, 4352, 1081, & 40 CFR Part 63, Subpart DDDDD] Federally Enforceable Through Title V Permit
73. 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
74. 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
75. 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
76. Permittee shall operate a Continuous Emissions Monitoring (CEM) system to monitor and record NO_x concentrations, O₂ concentrations, and CO concentrations as well as the NO_x 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 and 3, 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
77. Limestone injection rate shall be monitored with data reduced to 30-day rolling averages, rolled by day. The 30-day rolling average limestone injection rate shall be maintained at or above the minimum sorbent injection rate. [40 CFR Part 63, Subpart DDDDD, Table 8] Federally Enforceable Through Title V Permit
78. The limestone silo weight monitor used for the limestone injection rate must be installed, operated, and maintained according to the requirements of 40 CFR 63.7525 (d) and 40 CFR 63.7525 (i). [40 CFR Part 63, Subpart DDDDD, Table 8] 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 and 3, and 40 CFR 60 Appendix F, Quality Assurance Procedures. Per Section 5.1.1 of Appendix F, at least once each calendar year, a Relative Accuracy Test Audit (RATA) must be conducted. Per Sections 5.1.2 and 5.1.3 of Appendix F, a Cylinder Gas Audit (CGA) and a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [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.

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
83. 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
84. Records of all daily fuel consumption shall be maintained on site and submitted to the District with quarterly reports and upon request. [District NSR Rule, District Rule 4352, 6.2.1 and 40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
85. The owner/operator shall maintain daily records of the type and quantity of all biomass received. [District NSR Rule and District Rule 4352, 6.2.1] Federally Enforceable Through Title V Permit
86. 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
87. 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 NSR Rule, and District Rules 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-91-4-9

EXPIRATION DATE: 08/31/2016

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.

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-91-5-3

EXPIRATION DATE: 08/31/2016

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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
4. No more than 50 tons/day of lime shall be loaded into silo. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Lime shall not be transferred into silo unless fabric collector is operating and functioning properly. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Visible emissions from lime mixing tank shall be less than 5% in opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Lime silo loading operation shall not exceed 3 hr/day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. PM-10 emissions shall not exceed 0.17 lb/hr. [District NSR Rule] 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.

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-91-8-3

EXPIRATION DATE: 08/31/2016

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

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.

Facility Name: MT POSO COGENERATION CO LLC

Location: HEAVY OIL CENTRAL, CA

S-91-8-3 : Jun 26 2017 3:00PM - BUSHT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-91-9-3

EXPIRATION DATE: 08/31/2016

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

EQUIPMENT DESCRIPTION:

PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION

PERMIT UNIT REQUIREMENTS

1. Total time of fuel unloading at this permit unit and permit unit S-91-1-3 together shall not exceed 8 aggregate hours/day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Total quantity of petroleum coke unloaded shall not exceed 700 tons day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Total surface area of open air petroleum coke storage area shall not exceed 0.5 acre. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Petroleum coke shall have a minimum moisture content of 10% as received. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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 NSR Rule] Federally Enforceable Through Title V Permit
6. 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
7. 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
8. 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-91-10-5

EXPIRATION DATE: 08/31/2016

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 MULTIPLE BAGHOUSES, 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 baghouse exhaust, paved road, hoppers, conveyor transfer points, scalping screen, hammermill/hog, or stacking. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
3. 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
4. Bag house 1 and 2 shall operate 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
5. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
7. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
9. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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
13. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. 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
15. Receiving hoppers shall be vented to baghouse #1. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Baghouse #1 shall consist of: filter model CPV-12 or equivalent equipped with 3,216 sq.ft. of filter area operating with an air volume not to exceed 18,000 scfm and filter model CPV-6 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Operation shall include belt type magnetic separator and magnetic separator take away conveyor. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Disk type scalping screen and hammermill type hog shall both be vented to baghouse #2. [District Rule 2201] Federally Enforceable Through Title V Permit
19. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Baghouse #2 shall consist of: filter model CPV-6 or equivalent equipped with 402 sq.ft. of filter area operating with an air volume not to exceed 3,000 scfm, filter model CPV-8 or equivalent equipped with 536 sq.ft. of filter area operating with an air volume not to exceed 4,000 scfm, and filter model CPV-16 or equivalent equipped with 1,072 sq.ft. of filter area operating with an air volume not to exceed 8,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Operation shall include a radial stacker with telescoping spout equipped with a water spray ring. [District Rule 2201] Federally Enforceable Through Title V Permit
22. 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
23. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
24. Emissions for this operation shall not exceed 30.5 lb-PM10/day nor 11,147 lb-PM10/year. [District Rule 2201] Federally Enforceable Through Title V Permit
25. 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
26. Operator shall record the daily number of fuel delivery truck loads. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
28. 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
29. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [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.

31. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 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-91-11-5

EXPIRATION DATE: 08/31/2016

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 BAGHOUSE, 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 baghouse exhaust, 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. Bag house 3 shall operate whenever material is being reclaimed or conveyed via reclaimer/stacker. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Bag house 4 shall operate whenever fine material is being unloaded at truck loadout station. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All dust collectors shall be equipped with a differential pressure gauge which shall not exceed 5.0 inches w.c. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Baghouse particulate matter (PM10) emissions shall not exceed 0.003 gr/dscf. [District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
7. Each dust collector shall be equipped with an adjustable pulse jet cleaning system set to within manufacturers recommendations (all model CPV dust collectors manufacturer recommends turning on pulse cleaning at 4.0 inches and off at 3.5 inches w.c.). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each dust collector exhaust stack shall be equipped with adequate stack sampling provisions (ports, platform, ladder, etc.) consistent with EPA test methods pursuant to Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
9. Particulate matter collected by baghouses shall be stored in closed containers when such material is not actively being returned to the boiler via permitted conveying equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Particulate matter collected by baghouses shall be disposed of in a manner preventing entrainment in atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A spare filter shall be maintained on the premises at all times for each dust collector. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Material reclaimed via stacker/reclaimer shall not exceed 1,440 dry tons/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Material reclaimed via front-end loader shall not exceed 1,200 dry tons/day. [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. Any stored fuel which is burning shall be immediately segregated and extinguished. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
15. Reclaiming pickup points shall be vented to baghouse #3. [District Rule 2201] Federally Enforceable Through Title V Permit
16. 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
17. Gyrating type screen shall be vented to baghouse #3. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All tubulators and connecting transfer towers shall be fully enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Baghouse #3 shall consist of filter model CPV-6 or equivalent equipped with 2,010 sq.ft. of filter area operating with an air volume not to exceed 9,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
20. Operation shall include a fully enclosed fine material truck loadout vented to baghouse #4. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Baghouse #4 shall consist of filter model CPV-6 or equivalent equipped with 804 sq.ft. of filter area operating with an air volume not to exceed 6,000 scfm. [District Rule 2201] Federally Enforceable Through Title V Permit
22. 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
23. Visible emissions from dust collectors shall be inspected monthly during operation. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
24. 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
25. Dust collector system shall be thoroughly inspected annually for any evidence of particulate matter leaks and shall be repaired as needed. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
26. Dust collector filters shall be thoroughly inspected at least annually when the unit is not in operation for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Daily Records of material weight sent to fuel bin shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 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-91-12-2

EXPIRATION DATE: 08/31/2016

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

EQUIPMENT DESCRIPTION:

220 HP CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN EMERGENCY 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 an operational non-resettable elapsed time meter or other APCO approved alternative. [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, and 17 CCR 93115]
6. Emissions from this IC engine shall not exceed any of the following limits: 2.56 g-NO_x/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]
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]
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
9. 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] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
11. 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, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 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, CA

S-91-12-2 Jun 26 2017 3:00PM - BUSHIT

12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115]
14. 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.

ATTACHMENT C

Detailed Summary List of Facility Permits

Detailed Facility Report

For Facility=91 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

MT POSO COGENERATION CO LLC HEAVY OIL CENTRAL CA		FAC # STATUS: TELEPHONE:	S 91 A	TYPE: TOXIC ID:	TitleV 50171	EXP. DATE: AREA: INSP. DATE:	08/31/2016 5 / 07/17
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-91-1-12	No applicable fee	999-99	1	0.00	0.00	A	COAL/PETROLEUM COKE, BIOMASS, BOTTOM ASH, SAND AND LIME CAKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION
S-91-2-6	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-91-3-22	49,900 kW built before 3/17/99	3020-08A G	1	11,178.00	11,178.00	A	49.9 MW COAL/PETROLEUM COKE/BIOMASS/CREOSOTE-TREATED RAILROAD TIES AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT
S-91-4-9	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-91-5-3	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-91-8-3	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-91-9-3	No applicable fee	999-99	1	0.00	0.00	A	PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION
S-91-10-5	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 MULTIPLE BAGHOUSES, AND AN OPEN FUEL YARD UNLOADING AREA EQUIPPED WITH PERMIT EXEMPT SURFACTANT SPRAY
S-91-11-5	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 BAGHOUSE, WITH ADDITIONAL FUEL LOADING ABILITY VIA FRONT END LOADER
S-91-12-2	220 hp IC engine	3020-10 C	1	264.00	264.00	A	220 HP CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN EMERGENCY FIREWATER PUMP