



MAR 30 2012

Roger Allred  
Mt. Poso  
PO Box 81256  
Bakersfield, CA 93380-1256

**Re: Notice of Final Action – Title V Permit Renewal  
District Facility #S-91  
Project #S-1092052**

Dear Mr. Allred:

The District has issued the Final Renewed Title V Permit for Mt. Poso. The preliminary decision for this project was made on May 18, 2011. At the public's request, a public hearing was held on January 30, 2012 in Bakersfield, and the public comment period was extended to February 14, 2012. The engineering evaluation and final permit with a summary of the comments and the District's response to each comment are enclosed.

The public notice for the issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

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

Sincerely,



David Warner  
Director of Permit Services

Attachments

cc: Don Ctibor, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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

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

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



MAR 30 2012

Gerardo Rios, Chief  
Permits Office (AIR-3)  
U.S. EPA – Region IX  
75 Hawthorne St.  
San Francisco, CA 94105

**Re: Notice of Final Action – Title V Permit Renewal  
District Facility #S-91  
Project #S-1092052**

Dear Mr. Rios:

The District has issued the Final Renewed Title V Permit for Mt. Poso. The preliminary decision for this project was made on May 18, 2011. At the public's request, a public hearing was held on January 30, 2012 in Bakersfield, and the public comment period was extended to February 14, 2012. The engineering evaluation and final permit with a summary of the comments and the District's response to each comment are enclosed.

The public notice for the issuance of the Final Renewed Title V Permit will be published approximately three days form the date of this letter.

I would like to thank you and your staff for working with us. We appreciate your concurrence with this action. Should you have any questions please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

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cc: Don Ctibor, Permit Services Engineer

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MAR 30 2012

Mike Tollstrup, Chief  
Project Assessment Branch  
Air Resources Board  
PO Box 2815  
Sacramento, CA 95812-2815

**Re: Notice of Final Action – Title V Permit Renewal  
District Facility #S-91  
Project #S-1092052**

Dear Mr. Tollstrup:

The District has issued the Final Renewed Title V Permit for Mt. Poso. The preliminary decision for this project was made on May 18, 2011. At the public's request, a public hearing was held on January 30, 2012 in Bakersfield, and the public comment period was extended to February 14, 2012. The engineering evaluation and final permit with a summary of the comments and the District's response to each comment are enclosed.

The public notice for the issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

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

Sincerely,

David Warner  
Director of Permit Services

Attachments

cc: Don Ctibor, Permit Services Engineer

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Executive Director/Air Pollution Control Officer

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MAR 30 2012

Tom Frantz  
Association of Irrigated Residents  
30100 Orange St  
Shafter, CA 93263

**Re: Notice of Final Action – Title V Permit Renewal  
District Facility # S-0091  
Project # S-1092052**

Dear Mr. Frantz:

The District has issued the Final Renewed Title V Permit for Mt. Poso. The preliminary decision for this project was made on May 18, 2011. At the public's request, a public hearing was held on January 30, 2012 in Bakersfield, and the public comment period was extended to February 14, 2012. A summary of the comments and the District's response to each comment is attached. The final permit and engineering evaluation is available at:

[http://www.valleyair.org/notices/public\\_notices\\_idx.htm#mtposo](http://www.valleyair.org/notices/public_notices_idx.htm#mtposo)

The public notice for the issuance of the Final Renewed Title V Permit will be published approximately three days from the date of this letter.

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

Sincerely,



David Warner  
Director of Permit Services

Attachments

cc: Don Ctibor, Permit Services Engineer

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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Tel: 661-392-5500 FAX: 661-392-5585

Bakersfield Californian

**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT  
NOTICE OF FINAL DECISION TO ISSUE  
RENEWED FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to issue the renewed Federally Mandated Operating Permit to Mt. Poso. for its coal-fired co-generation power plant facility located at 36157 Famoso Rd. in Bakersfield, California.

The District's analysis of the legal and factual basis for this proposed action, project #S-1092052, is available for public inspection at: [http://www.valleyair.org/notices/public\\_notices\\_idx.htm#mtposo](http://www.valleyair.org/notices/public_notices_idx.htm#mtposo) and the District office at the address below. For additional information regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.

# SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

Final Title V Permit Renewal Evaluation  
Mt. Poso Cogeneration Co.  
Facility # S-0091

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**TITLE V PERMIT RENEWAL EVALUATION**  
**Coal-Fired Cogeneration Power Plant**

**Engineer:** Don Ctibor  
**Date:** March 2, 2012

**Facility Number:** S-0091  
**Facility Name:** Mt. Poso Cogeneration Co.  
**Mailing Address:** P.O. Box 81256  
Bakersfield, CA 93380-1256

**Contact Name:** Donald Waln  
**Phone:** (661) 663-3155

**Responsible Official:** Roger Allred  
**Title:** General Manager

**Project # :** S-1040424  
**Deemed Complete:** April 16, 2009

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**I. PROPOSAL**

Mt. Poso Cogeneration Co. was issued a Title V permit on April 28, 2000. 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 initial Title V permit.

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

Pursuant to District Rule 2520, Section 11.3.3.1, due to changes in the proposed decision, the District is resubmitting to EPA for review and comment the revised analysis of the application to renew the Federal Operating Permit for Mt. Poso Cogeneration Co.

## **II. FACILITY LOCATION**

Mt. Poso Cogeneration Co. is located at 36157 Famoso Rd. in Bakersfield, 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 Templates:

### **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. Template SJV-UM-0-3 conditions have been added as conditions 1 through 40 for the renewed facility wide requirements (S-0091-0-3) to replace conditions 1 through 40 of the existing facility wide requirements (S-0091-0-2).

## **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 Facility Wide Requirements for S-0091-0-3.

## VI. FEDERALLY ENFORCEABLE REQUIREMENTS

### A. Rules Addressed by General Permit Template

- District Rule 1100, Equipment Breakdown, (amended December 17, 1992)
- District Rule 1160, Emission Statements, (adopted November 18, 1992)
- District Rule 2010, Permits Required, (amended December 17, 1992)
- District Rule 2020, Exemptions, (amended July 21, 1994 ⇒ amended December 20, 2007)
- 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 2520, Federally Mandated Operating Permits, Sections 5.2, 9.1.1, 9.4, 9.5, 9.7, 9.8, 9.9, 9.13.1, 9.13.2, 9.16, and 10.0, (amended June 21, 2001 )
- District Rule 4101, Visible Emissions, (amended November 15, 2001 ⇒ amended February 17, 2005)
- District Rule 4601, Architectural Coatings, (amended October 31, 2001 ⇒ amended December 17, 2009)
- District Rule 8011, General Requirements, (adopted November 15, 2001; amended August 19, 2004)

- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8031, Bulk Materials, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8041, Carryout and Trackout, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8051, Open Areas, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads, (adopted November 15, 2001; amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas, (adopted November 15, 2001; amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos, (amended September 18, 2003)
- 40 CFR Part 82, Subpart B, Stratospheric Ozone, (amended November 9, 2007)
- 40 CFR Part 82, Subpart F, Stratospheric Ozone, (amended June 8, 2008)

## **B. Rules Not Addressed by General Permit Template**

- **Rules Updated**
- District Rule 2201, New and Modified Stationary Source Review Rule (amended December 18, 2008 ⇒ amended April 21, 2011)
- District Rule 4352, Solid Fuel Fired Boilers, Steam Generators and Process Heaters (amended December 15, 2011)
- District Rule 4702, Internal Combustion Engines – Phase 2 (adopted June 16, 2005 ⇒ amended August 18, 2011)

- **Rules Added**

- District Rule 4641, Cutback, slow cure, and emulsified asphalt, paving and maintenance operations (amended December 17, 1992)
- 40 CFR Part 63 Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources
- 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines
- 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines

- **Rules Not Updated**

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001 )
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4701, Internal Combustion Engines - Phase 1 (amended August 21, 2003 - SIP Approved)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)
- 40 CFR Part 52.21, Prevention of Significant Deterioration (PSD)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM)
- 40 CFR Part 68, Chemical Accident Prevention Provisions

## 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. District Rule 4102 – Nuisance

This rule is applicable to any source operation which emits or may emit air contaminants or other materials. This rule stipulates that a person shall not discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such person or the public or which cause or have a natural tendency to cause injury or damage to business or property.

- Condition 46 of the facility wide requirements (S-0091-0-3) is based on the rule listed above and is not Federally Enforceable through Title V.

### B. District Rule 7012 – Hexavalent Chromium – Cooling Towers

District Rule 7012 has been added. The purpose of this rule is to limit emissions of hexavalent chromium from circulating water in cooling towers and to prohibit the use or sale of products containing these compounds for treating cooling tower water. Recordkeeping and monitoring requirements and test methods for determining emission concentration limits are specified. An implementation schedule is also included. Condition 1 of permit unit -8-3 is based on this rule and is therefore not federally enforceable

## VIII. COMPLIANCE

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 and additional requirements placed on the permit per EPA request since the issuance of the initial Title V permit.

### A. District Rule 2201 – New and Modified Stationary Source Review Rule

District Rule 2201 has been amended since this facility's initial Title V permit was issued. This Title V permit renewal does not constitute a modification per section 3.26, defined as an action including at least one of the following items:

- 1) Any change in hours of operation, production rate, or method of operation of an existing emissions unit, which would necessitate a change in permit conditions.
- 2) Any structural change or addition to an existing emissions unit which would necessitate a change in permit conditions. Routine replacement shall not be considered to be a structural change.
- 3) An increase in emissions from an emissions unit caused by a modification of the Stationary Source when the emissions unit is not subject to a daily emissions limitation.
- 4) Addition of any new emissions unit which is subject to District permitting requirements.
- 5) A change in a permit term or condition proposed by an applicant to obtain an exemption from an applicable requirement to which the source would otherwise be subject.

Therefore, the updated requirements of this rule are not applicable at this time.

### B. District Rule 2520 - Federally Mandated Operating Permits

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

**C. District Rule 4352 – Solid Fuel Fired Boilers, Steam Generators, and Process Heaters**

The purpose of Rule 4352 is to limit emissions of oxides of nitrogen (NO<sub>x</sub>) and carbon monoxide (CO) from solid fuel fired boilers, steam generators and process heaters.

Section 5.1 insures that the owner/operator of a boiler, steam generator or process heater shall not operate such a unit in a manner that results in NO<sub>x</sub> and CO emissions exceeding the limits specified in Table 1. The emission limits measured in parts per million by volume (ppmv) are referenced at dry stack gas conditions and shall be corrected to the applicable percent O<sub>2</sub> or CO<sub>2</sub> specified in Table 1 in accordance with EPA Method.

Compliance with these requirements is assured by condition 30 of PTO S-0091-3-13.

Section 5.3 Discusses start-up and shutdown provisions and insures the applicable emission limits of Section 5.1 shall not apply during start-up or shutdown provided an operator complies with the requirements specified.

Compliance with these requirements is assured by condition 34 of PTO S-0091-3-13.

Section 6.4 Discusses test methods and insures compliance with the requirements of Section 5.0 shall be determined in accordance with the following source test procedures unless otherwise approved by the APCO, ARB, and EPA.

Compliance with these requirements is assured by condition 36 of PTO S-0091-3-13.

**D. District Rule 4641 - Cutback, slow cure, and emulsified asphalt, paving and maintenance operations**

District Rule 4641 has been added to limit VOC emissions by restricting the application and manufacturing of certain types of asphalt for paving and maintenance operations. This rule applies to the manufacture and use of cutback asphalt, slow cure asphalt and emulsified asphalt for paving and maintenance operations. Condition 29 of permit unit -1-10 ensures compliance with this rule.

**E. District Rule 4701 - Internal Combustion Engines - Phase 1**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. This rule applies to any internal combustion engine with a rated brake horsepower greater than 50 horsepower and that requires a Permit-to-Operate (PTO).

Permit Unit S-0091-12-2 (diesel-fired emergency IC engine):

Per Rule 4702, this rule does not apply to emergency diesel-fired IC engines as of June 1, 2006, if the engine satisfies Rule 4702. The engines are in full compliance with Rule 4702; therefore, all references to Rule 4701 will be removed from this permit unit, as shown in the draft PTOs.

**F. District Rule 4702 – Internal Combustion Engines – Phase 2**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. This rule applies to any spark-ignited internal combustion engine with a rated brake horsepower greater than 50 horsepower and that requires a Permit-to-Operate (PTO).

Pursuant to Section 4.3, except for the requirements of Section 6.2.3, the requirements of this rule shall not apply to:

An internal combustion 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 operating 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 a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions.

Section 6.2.3 requires that an owner claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following:

- 1) Total hours of operation,
- 2) The type of fuel used,
- 3) The purpose for operating the engine,
- 4) For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and
- 5) Other support documentation necessary to demonstrate claim to the exemption.

Compliance with these requirements is assured by conditions 1, 4, 5, 9 and 10 of PTO S-0091-12-2.

**G. 40 CFR 60, Subpart IIII, New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines**

This rule incorporates NSPS from Part 60, Chapter 1, Title 40, Code of Federal Regulations (CFR); and applies to all new sources of air pollution and modifications of existing sources of air pollution listed in 40 CFR Part 60. 40 CFR Part 60, Subpart IIII is the only subpart that applies to compression-ignited internal combustion engines.

Section 60.4200(a)(2)(i) states that the provisions of this subpart apply to owners and operators of stationary compression ignition (CI) internal combustion engines that commence construction after July 11, 2005 where the engines are manufactured after April 1, 2006 and are not fire pump engines. The engines in this project were manufactured in 2010 and are not fire pump engines. Therefore, this subpart applies to the two engines.



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 60.4204(b) states that owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in Section 60.4201. Section 60.4201 states that engine manufacturers must certify their 2007 model year and later non-emergency stationary CI engines to the applicable certification emission standards based on the engine size and number of liters per cylinder. The applicant is proposing to install engines that are certified to the latest EPA Tier certification level (Tier 3) for the applicable horsepower range, guaranteeing compliance with the emission standards of Subpart IIII. The DEL conditions previously discussed under District Rule 2201 will ensure compliance.

Section 60.4205 lists emission standards for owners or operators of emergency CI engines. The proposed engines are not used for emergency operation. Therefore, this section does not apply.

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 certified emissions for the proposed engines will be listed on the permits as emission factors, ensuring that the emission standards are met over the entire life of both engines.

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. The proposed engines will be required by the following permit condition to use CARB certified diesel fuel, which meets all of the fuel requirements listed in Subpart IIII.

- {4258} Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII]

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 engines proposed in this project. Therefore, this section does not apply.

Section 60.4209 applies to emergency stationary CI engines and stationary CI engines equipped with a diesel particulate filter. Neither of the proposed engines in this project falls under 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. The following condition will be added to the ATCs to ensure compliance:

- 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 and 40 CFR 60 Subpart IIII]

Section 60.4211(b) applies to pre-2007 model year engines. Therefore, this section does not apply.

Section 60.4211(c) states that if you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in Section 60.4204(b) or Section 60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in Section 60.4205(c), you must comply by purchasing an engine certified to the emission standards in Section 60.4204(b), or Section 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's specifications. The applicant has proposed to install Tier 3 certified engines that comply with the emission standards in Section 60.4204(b) and will be installed according to the manufacturer's specifications. Therefore, this section is satisfied.

Compliance with these requirements is assured by conditions 4 through 8 of PTO S-0091-12-2.

Section 60.4211(d) applies to owners or operators who must comply with the emission standards specified in Section 60.4204(c) or Section 60.4205(d). The proposed engines are not subject to the emission standards specified in Sections 60.4204(c) or 60.205(d). Therefore, this section does not apply.

Section 60.4211(e) applies to owners or operators of emergency stationary CI engines. Therefore, this section does not apply.

Section 60.4212 applies to owners or operators of a stationary CI engine with a displacement of less than 30 liters per cylinder and required to conduct performance tests pursuant to Section 60.4211(b). Section 60.4211(b) does not apply to these engines. Therefore, performance tests are not required and this section does not apply.

Section 60.4213 applies to owners or operators of CI engines with a displacement of greater than or equal to 30 liters per cylinder. Per the CARB/EPA emissions data sheet for the proposed engines, the displacement for each engine is less than 30 liters per cylinder. Therefore, this section does not apply.

Section 60.4214(a) states owners and operators of non-emergency stationary CI engines that are greater than 3,000 hp, or have a displacement of greater than or equal to 10 liters per cylinder, or are pre-2007 model year engines that are greater than 175 hp and not certified, must meet the requirements of paragraphs (a)(1) and (2) of this section. Both proposed engines are post-2007 model year non-emergency engines rated less than 3,000 hp and have a displacement less than 10 liters per cylinder. Therefore, this section does not apply.

Section 60.4214(b) applies to emergency stationary CI engines. Therefore, this section does not apply.

Section 60.4214(c) applies to stationary CI engines equipped with a diesel particulate filter. Therefore, this section does not apply.

Sections 60.4215 and 60.4216 apply to engines operated outside the continental United States. Therefore, these sections do not apply.

Section 60.4217 applies to engines that do not use diesel fuel. Therefore, this section does not apply.

**H. 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines**

Emergency engines are subject to this subpart if they are operated at a major or area source of Hazardous Air Pollutant (HAP) emissions. A major source of HAP emissions is a facility that has the potential to emit any single HAP at a rate of 10 tons/year or greater or any combinations of HAPs at a rate of 25 tons/year or greater. An area source of HAPs is a facility is not a major source of HAPs. The proposed engine(s) are new stationary RICE located at an area source of HAP emissions; therefore, these engines are subject to this Subpart.

40 CFR 63 Subpart ZZZZ requires the following engines to comply with 40 CFR 60 Subpart IIII:

1. New emergency engines located at area sources of HAPs
2. Emergency engines rated less than or equal to 500 bhp and located at major sources of HAPs

The proposed engine(s) will be in compliance with 40 CFR 60 Subpart IIII.

Additionally, 40 CFR 63 Subpart ZZZZ requires engines rated greater 500 bhp and located at major sources of HAPs to meet the notification requirements of §63.6645(h); however, that section only applies if an initial performance test is required. Since an initial performance test is not required for emergency engines, the notification requirement is not applicable.

The proposed engines are expected to be in compliance with 40 CFR 63 Subpart ZZZZ.

**I. 40 CFR Part 63 Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

Section 63.11193 states you are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler as defined in §63.11237 that is located at, or is part of, an area source of hazardous air pollutants (HAP), as defined in §63.2, except as specified in §63.11195.

Section 63.2 defines area source as any stationary source of hazardous air pollutants that is not a major source as defined in this part. Section

63.2 defines major source as any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit considering controls, in the aggregate, 10 tons per year or more of any hazardous air pollutant or 25 tons per year or more of any combination of hazardous air pollutants, unless the Administrator establishes a lesser quantity, or in the case of radionuclides, different criteria from those specified in this sentence.

This facility is an area source as it is not a major source of hazardous air pollutants. Therefore, the boiler listed under permit S-009-13-13 is subject to this subpart.

Section 63.11194(b) states an affected source is an existing source if you commenced construction or reconstruction of the affected source on or before June 4, 2010.

The boiler listed under permit S-009-13-13 commenced construction prior to June 4, 2010.

Section 63.11196 states (a) If you own or operate an existing affected boiler, you must achieve compliance with the applicable provisions in this subpart as specified in paragraphs (a)(1) through (3) of this section.

(1) If the existing affected boiler is subject to a work practice or management practice standard of a tuneup, you must achieve compliance with the work practice or management standard no later than March 21, 2012.

(2) If the existing affected boiler is subject to emission limits, you must achieve compliance with the emission limits no later than March 21, 2014.

(3) If the existing affected boiler is subject to the energy assessment requirement, you must achieve compliance with the energy assessment requirement no later than March 21, 2014.

The boiler listed under permit S-009-13-13 is subject to a work practice or management practice standard of a tuneup. Therefore, the following condition will be placed on permit S-00913-13:

- By March 21, 2012, and every two 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)]

The boiler listed under permit S-009-13-13 is not subject to an emission limit. However, the boiler is subject to an energy assessment

requirement. Therefore, the following condition will be placed on permit S-00913-13:

- By March 21, 2012, the permittee shall conduct a one-time energy assessment as described in 40 CFR 63, Subpart JJJJJJ, Table 2. Permittee shall submit a signed statement in the Notification of Compliance Status report that the energy assessment was completed, and shall submit the energy assessment report upon request. [40 CFR 63.11214(c)]

Section 63.11201 states (a) You must comply with each emission limit specified in Table 1 to this subpart that applies to your boiler. (b) You must comply with each work practice standard, emission reduction measure, and management practice specified in Table 2 to this subpart that applies to your boiler. An energy assessment completed on or after January 1, 2008 that meets the requirements in Table 2 to this subpart satisfies the energy assessment portion of this requirement. (c) You must comply with each operating limit specified in Table 3 to this subpart that applies to your boiler. (d) These standards apply at all times.

As stated above, the boiler listed under permit S-009-13-13 is not subject to an emission limit and therefore is not subject to Table 1 or 3. The above condition satisfies the energy assessment requirement.

Section 63.11205 states (a) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

The following condition will be placed on permit S-009-13-13 to ensure compliance:

- The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule and 40 CFR 63.11205(a) and 40 CFR 64]

Section 63.11214 states (c) If you own or operate an existing affected boiler with a heat input capacity of 10 million Btu per hour or greater, you must submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed and submit, upon request, the energy assessment report.

The following condition will be placed on permit S-009-13-13 to ensure compliance:

- Permittee shall submit the Notification of Compliance Status report by July 19, 2012. [40 CFR 63.11225(a)(4)]

Section 63.11223 states (a) For affected sources subject to the work practice standard or the management practices of a tuneup, you must conduct a biennial performance tune-up according to paragraphs (b) of this section and keep records as required in §63.11225(c) to demonstrate continuous compliance. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up. (b) You must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in paragraphs (b)(1) through (7) of this section. (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shut down, but you must inspect each burner at least once every 36 months). (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. (3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly. (4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available. (5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). (6) Maintain onsite and submit, if requested by the Administrator, biennial report containing the information in paragraphs (b)(6)(i) through (iii) of this section. (i) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler. (ii) A description of any corrective actions taken as a part of the tune-up of the boiler. (iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler. (7) If the unit is not operating on the

required date for a tune-up, the tune-up must be conducted within one week of startup.

The following condition will be placed on the permit to ensure compliance:

- By March 21, 2012, and every two 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)]

Section 63.11225 states (a) You must submit the notifications specified in paragraphs (a)(1) through (a)(5) of this section to the delegated authority. (1) You must submit all of the notifications in §§63.7(b); 63.8(e) and (f); 63.9(b) through (e); and 63.9(g) and (h) that apply to you by the dates specified in those sections. (2) As specified in §63.9(b)(2), you must submit the Initial Notification no later than 120 calendar days after May 20, 2011 or within 120 days after the source becomes subject to the standard. (3) If you are required to conduct a performance stack test you must submit a Notification of Intent to conduct a performance test at least 60 days before the performance stack test is scheduled to begin. (4) You must submit the Notification of Compliance Status in accordance with §63.9(h) no later than 120 days after the applicable compliance date specified in §63.11196 unless you must conduct a performance stack test. If you must conduct a performance stack test, you must submit the Notification of Compliance Status within 60 days of completing the performance stack test. In addition to the information required in §63.9(h)(2), your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official: (i) "This facility complies with the requirements in §63.11214 to conduct an initial tune-up of the boiler." (ii) "This facility has had an energy assessment performed according to §63.11214(c)." (iii) For an owner or operator that installs bag leak detection systems: "This facility has prepared a bag leak detection system monitoring plan in accordance with §63.11224 and will operate each bag leak detection system according to the plan." (iv) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."

The following condition will be placed on permit S-009-13-13 to ensure compliance:

- Permittee shall submit the Notification of Compliance Status report by July 19, 2012. [40 CFR 63.11225(a)(4)]



Therefore, compliance with the requirements of the subpart is expected.

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

**§64.2 - Applicability**

CAM is required 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 (e.g. flue gas recirculation, baghouse, or catalytic oxidizer); and
- (3) the unit must have a pre-control potential to emit of greater than the major source thresholds for that pollutant.

<b>Pollutant</b>	<b>Major Source Threshold (lb/year)</b>
VOC	20,000
NO <sub>x</sub>	20,000
CO	200,000
PM <sub>10</sub>	140,000
SO <sub>x</sub>	140,000

**Permit Unit S-0091-1-10: Coal/petroleum coke receiving, handling, and storage operation and tire derived fuel (TDF) receiving and transferring operation**

This unit may be subject to CAM for PM<sub>10</sub>, as there is a PM<sub>10</sub> limit of 0.74 lb- PM<sub>10</sub>/hr, and it does have add-on controls in the form of a baghouse. However, as shown in the following calculation, the pre-control potential to emit for this emissions unit is t greater than the major source threshold of 140,000 pounds PM<sub>10</sub>/year. Therefore, this unit is t subject to CAM.

This unit has a permit condition limiting PM<sub>10</sub> emissions to less than 0.74 lb/hr.

$$\text{Controlled emissions (lb- PM}_{10}\text{/day)} = \text{Uncontrolled emissions rate lb- PM}_{10}\text{/hr} \times 8 \text{ hr/day} \times \text{Control efficiency (1-99\% for a baghouse)}$$

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = controlled emissions rate lb- PM<sub>10</sub>/hr x 8 hr/day / Control efficiency (1-99% for a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = 0.74 lb- PM<sub>10</sub>/hr x 8 hr/day / Control efficiency (1-99% for a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = 592 PM<sub>10</sub>/day

Uncontrolled emissions (lb- PM<sub>10</sub>/year) = (592 PM<sub>10</sub>/day)(365)= 216,080 lb- PM<sub>10</sub>/year > 140,000 lb- PM<sub>10</sub>/year (Major Source Threshold)

This unit satisfies CAM for PM<sub>10</sub>, as there is a PM<sub>10</sub> limit of 0.74 lb- PM<sub>10</sub>/hr, and it does have add-on controls in the form of a monitoring opacity and differential pressure in the baghouse. Conditions 30 through 36 for unit -1-10 insure compliance with CAM requirements, as established in the initial Title V Permit.

**Permit Unit S-0091-2-6: Limestone storage, handling, and receiving operation**

This unit may be subject to CAM for PM<sub>10</sub>, as there is a PM<sub>10</sub> limit of 0.00 lb- PM<sub>10</sub>/hr, and it does have add-on controls in the form of a baghouse. However, as shown in the following calculation, the pre-control potential to emit for this emissions unit is not greater than the major source threshold of 140,000 pounds PM<sub>10</sub>/year. Therefore, this unit is not subject to CAM.

This unit has a permit condition limiting PM<sub>10</sub> emissions to less than 0.00 lb/hr. Worse case would be emissions of 0.0049 lb- PM<sub>10</sub>/hr being rounded down to 0.00 lb- PM<sub>10</sub>/hr.

Controlled emissions (lb- PM<sub>10</sub>/day) = Uncontrolled emissions rate lb- PM<sub>10</sub>/hr x 24 hr/day x Control efficiency (1-99% for a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = controlled emissions rate lb- PM<sub>10</sub>/hr x 24 hr/day / Control efficiency (1-99% for a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = 0.0049 lb- PM<sub>10</sub>/hr x 24 hr/day  
/ Control efficiency (1-99% for  
a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = 11.8 PM<sub>10</sub>/day

Uncontrolled emissions (lb- PM<sub>10</sub>/year) = (11.8 PM<sub>10</sub>/day)(365)=4,307 lb-  
PM<sub>10</sub>/year < 140,000 lb-  
PM<sub>10</sub>/year (Major Source  
Threshold)

**Permit Unit S-0091-3-13: 49.9 MW coal/petroleum coke and tire  
derived fuel (TDF) fired atmospheric circulating fluidized bed  
combustor cogeneration power plant**

This unit has a continuous emissions monitoring system (CEMS) for opacity, NO<sub>x</sub>, SO<sub>2</sub>, and CO. VOC emissions are not monitored by the CEMS but there is not an add-on control device on this unit for VOC emissions. CAM for NO<sub>x</sub>, SO<sub>2</sub>, and CO emissions is automatically satisfied by the standard conditions that require the CEMS to be installed calibrated, maintained, and require the data to be reported.

This unit satisfies CAM for PM<sub>10</sub>, as there is a PM<sub>10</sub> limit of 7.92 lb-  
PM<sub>10</sub>/hr, and it does have add-on controls in the form of a monitoring  
opacity and differential pressure in the baghouse. Conditions 52 through  
56 for unit -3-13 insure compliance with CAM requirement, as established  
in the initial Title V Permit.

**Permit Unit S-0091-4-6: Bottom ash and fly ash handling, storage  
and loadout operation**

This unit may be subject to CAM for PM<sub>10</sub>, as the PM<sub>10</sub> limit of 0.00 lb-  
PM<sub>10</sub> /hr, and it does have add-on controls in the form of a baghouse.  
However, as shown in the following calculation, the pre-control potential to  
emit for this emissions unit is not greater than the major source threshold  
of 140,000 pounds PM<sub>10</sub>/year. Therefore, this unit is not subject to CAM.

This unit has a permit condition limiting PM<sub>10</sub> emissions to less than 0.00  
lb/hr. Worse case would be emissions of 0.0049 lb- PM<sub>10</sub>/hr being  
rounded down to 0.00 lb- PM<sub>10</sub>/hr.

Controlled emissions (lb- PM<sub>10</sub>/day) = Uncontrolled emissions rate  
 lb- PM<sub>10</sub>/hr x 24 hr/day x  
 Control efficiency (1-99% for  
 a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = controlled emissions rate lb-  
 PM<sub>10</sub>/hr x 24 hr/day / Control  
 efficiency (1-99% for a  
 baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = 0.0049 lb- PM<sub>10</sub>/hr x 24 hr/day  
 / Control efficiency (1-99% for  
 a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = 11.8 PM<sub>10</sub>/day

Uncontrolled emissions (lb- PM<sub>10</sub>/year) = (11.8 PM<sub>10</sub>/day)(365)=4,307 lb-  
 PM<sub>10</sub>/year < 140,000 lb-  
 PM<sub>10</sub>/year (Major Source  
 Threshold)

**Permit Unit S-0091-5-3: 324,600 gallon lime storage silo**

This unit may be subject to CAM for PM<sub>10</sub>, as the PM<sub>10</sub> limit of 0.17 lb-  
 PM<sub>10</sub> /hr, and it does have add-on controls in the form of a baghouse.  
 However, as shown in the following calculation, the pre-control potential to  
 emit for this emissions unit is not greater than the major source threshold  
 of 140,000 pounds PM<sub>10</sub>/year. Therefore, this unit is not subject to CAM.  
 This unit has a permit condition limiting PM<sub>10</sub> emissions to less than 0.17  
 lb/hr. and shall not exceed 3 hrs/day.

Controlled emissions (lb- PM<sub>10</sub>/day) = Uncontrolled emissions rate  
 lb- PM<sub>10</sub>/hr x 3 hr/day x  
 Control efficiency (1-99% for  
 a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = controlled emissions rate lb-  
 PM<sub>10</sub>/hr x 3 hr/day / Control  
 efficiency (1-99% for a  
 baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = 0.17 lb- PM<sub>10</sub>/hr x 3 hr/day /  
 Control efficiency (1-99% for  
 a baghouse)

Uncontrolled emissions (lb- PM<sub>10</sub>/day) = 51 lb- PM<sub>10</sub>/day

Uncontrolled emissions (lb- PM<sub>10</sub>/year) = (51 PM<sub>10</sub>/day)(365)=18,615 lb-  
PM<sub>10</sub>/year < 140,000 lb-  
PM<sub>10</sub>/year (Major Source  
Threshold)

**Permit Unit S-0091-8-3: 36,000 gpm Hamon model #3374 three-cell colling tower w/1450 h.p. total**

This unit is not subject to CAM since it does not have an emissions limit for any criteria pollutant.

**Permit Unit S-0091-9-3: Petroleum coke receiving, unloading, and open storage operation**

This unit is not subject to CAM since it does not have any emissions limit for PM<sub>10</sub> the (the only pollutant which would be emitted from this unit). Additionally, there are no add-on controls. The only controls used are work practice standards of limitations of material, moisture content and visible emissions.

**Permit Unit S-0091-12-2 (Emergency IC engine)**

This unit does not contain add-on control devices for any pollutant; therefore, are not subject to CAM.

## **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**

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-0091-0-3).

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

The applicant is not requesting a permit shield for any Rule requirements outside of the umbrella template permit shields.

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

There are no obsolete permit shield conditions to be removed from the permits.

**X. PERMIT CONDITIONS**

See Attachment A - Final Renewed Title V Operating Permit.

**XI. ATTACHMENTS**

- A. Final Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Facility List
- D. Public Comments / District Responses
- E. Public Hearing Comments / District Responses

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# ATTACHMENT A

Final Renewed Title V Operating Permit

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**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



**HEALTHY AIR LIVING™**

# Permit to Operate

**FACILITY:** S-91

**EXPIRATION DATE:** 08/31/2016

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

MT POSO COGENERATION COMPANY, LLC  
P.O. 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

**David Warner**  
Director of Permit Services



# San Joaquin Valley Air Pollution Control District

FACILITY: S-91-0-3

EXPIRATION DATE: 08/31/2016

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 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 COMPANY, LLC

Location: HEAVY OIL CENTRAL, CA

S-91-0-3 : Mar 30 2012 11:07AM - CTIBORD

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 Rule 8021 and 8011] 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 Rule 8031 and 8011] 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 Rule 8041 and 8011] 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 Rule 8051 and 8011] 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 Rule 8061 and Rule 8011] 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 Rule 8071 and Rule 8011] 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.

Facility Name: MT POSO COGENERATION COMPANY, LLC

Location: HEAVY OIL CENTRAL, CA

S-91-0-3 : Mar 30 2012 11:07AM - CTIBORD

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-1-10

**EXPIRATION DATE:** 08/31/2016

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

**EQUIPMENT DESCRIPTION:**

COAL/PETROLEUM COKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION

## PERMIT UNIT REQUIREMENTS

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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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall include coal/petroleum coke storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District NSR Rule] 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 coal/ petroleum coke storage day bins each with bin vent filter and exhaust fan. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Operation shall include petroleum coke unloading hopper and transfer conveyor. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Petroleum coke unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
10. All coal/petroleum coke conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
11. All coal/petroleum coke storage silos shall be dust-tight (no visible emissions in excess of 0% opacity) and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity) provisions to return collected material to process equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Each fabric collector shall automatically activate whenever process equipment served is activated. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
18. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District NSR Rule] Federally Enforceable Through Title V Permit
21. There shall be no visible emissions in excess of 5% opacity at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Coal/petroleum coke handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Coal/petroleum coke shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
25. Petroleum coke, coal and TDF shall only be unloaded using the equipment specified for that purpose on this permit, for each respective fuel type. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 4101 and 4641 and District NSR Rule] Federally Enforceable Through Title V Permit
30. PM-10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
31. PM-10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District NSR Rule] 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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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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-91-3-13

**EXPIRATION DATE:** 08/31/2016

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

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. Operation shall include Ahlstrom Pyroflow atmospheric fluidized bed combustor incorporating low temperature staged combustion and ammonia injection (NOx control), and pulverized limestone injection (SOx control). [District NSR Rule] Federally Enforceable Through Title V Permit
2. Operation shall include enclosed gravimetric belt weigh feeder discharging to fuel feed chutes and enclosed limestone volumetric feeder with air lock system. [District NSR Rule] Federally Enforceable Through Title V Permit
3. 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 NSR Rule] Federally Enforceable Through Title V Permit
4. Operation shall include two fly ash recycle cyclones, air heater with two fly ash hoppers, economizer and ash handling system. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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 NSR Rule] Federally Enforceable Through Title V Permit
6. Operation shall include 12 compartment fabric collector with 1750 HP induced draft fan, reverse air cleaning mechanism and 100 HP reverse air fan. [District NSR Rule] Federally Enforceable Through Title V Permit
7. 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 NSR Rule] Federally Enforceable Through Title V Permit
8. Fly ash collected at fabric collector shall be discharged only to fly ash handling system. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Ash shall only be removed from combustion system by means authorized to Permit to Operate S-91-4. [District NSR Rule] Federally Enforceable Through Title V Permit
10. 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 use rate. The permittee shall operate and maintain instrumentation to continuously monitor and record levels of combustion temperature, consumption of fuel, ammonia, and limestone in boiler. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
11. 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 NSR Rule] Federally Enforceable Through Title V Permit

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

12. 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 NSR Rule] Federally Enforceable Through Title V Permit
13. Fabric collector shall be equipped with automatic cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
14. All combustor exhaust gas shall pass through fabric collector prior to being emitted to atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Unit shall be operated as a low temperature combustor with a peak temperature range of 1550 to 1750 deg F. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Unit shall be operated as a staged combustion device by introducing a substoichiometric amount of combustion air into primary combustion zone. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Flue gas O<sub>2</sub> content shall be maintained at a level (3%-5%) which shows compliance with all emission limits and which minimizes NO<sub>x</sub> emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
18. 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 NSR Rule] Federally Enforceable Through Title V Permit
19. Combustor shall be fired only on natural gas, coal, petroleum coke, tire derived fuel (TDF) or combinations thereof as allowed for by this permit. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
20. No more than 1,400,000 lbs/day and 58,333 lbs/hr (on a dry basis) of solid fuel of no more than 4.0% by weight sulfur shall be introduced into the combustor. [District NSR Rule 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. A minimum of 0.035 lbm limestone/lbm of fuel shall be introduced into the combustor. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Limestone shall be introduced into combustor at a rate sufficient to maintain a minimum Ca/S molar ratio of 3. [District NSR Rule] Federally Enforceable Through Title V Permit
24. 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 three hour rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Emissions rates from boiler exhaust shall not exceed the following: PM<sub>10</sub>: 190.0 lb/day, VOC: 149.9 lb/day, NO<sub>x</sub> (as NO<sub>2</sub>): 1406.4 lb/day, SO<sub>x</sub> (as SO<sub>2</sub>): 699.4 lb/day and CO: 1207.2 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
26. 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% CO<sub>2</sub>. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
27. Emission rate of SO<sub>x</sub> (as SO<sub>2</sub>) shall not exceed 25.0 lb/hr, based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
28. SO<sub>x</sub> emissions (as SO<sub>2</sub>) 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 NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
29. Emission rate of oxides of nitrogen as NO<sub>2</sub> shall not exceed 58.60 lb/hr, based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
30. NO<sub>x</sub> emissions shall not exceed 0.20 lb/MMBtu at any time, except during startup and shutdown (as defined in Rule 4352), based on a 24 hour averaging period. [District Rule 4352, 5.1] 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. 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 NSR Rule 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 NSR Rule] Federally Enforceable Through Title V Permit
33. Emission rate of carbon monoxide shall not exceed 50.30 lb/hr based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
34. Except during periods of startup and shutdown (as defined in Rule 4352), the emission rate of carbon monoxide shall not exceed 400 ppmv @ 3% O<sub>2</sub>, based on a 24 hour averaging period. [District Rule 4352, 5.3] Federally Enforceable Through Title V Permit
35. 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
36. Performance testing at maximum operating capacity shall be conducted annually for NO<sub>x</sub>, SO<sub>x</sub>, CO, PM-10, PM, and VOCs at the maximum operating capacity using following test methods; for NO<sub>x</sub> EPA Methods 1-4 and 7 or ARB Method 100; for SO<sub>x</sub> EPA Methods 1-4 and 6 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM(10) EPA Method 201A in combination with EPA Method 202; for PM EPA Methods 1-4 and 5; and for VOCs EPA Method 25 or 18. [District Rule 4352, 6.4; District Rule 2520, 9.4.2; PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
37. 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 & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
38. 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 & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
39. Permittee shall report the following emission exceedences to the District: SO<sub>2</sub>, NO<sub>x</sub>, and CO hourly emission rates on a three hour rolling average and daily emissions limitations. Excess emissions shall be defined as any consecutive 3-hour period during which the average emissions for CO, SO<sub>2</sub>, and NO<sub>x</sub> as measured by continuous monitoring system, exceeds the mass or concentration limit set for each pollutant. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
40. At the time of performance testing fuel being burned shall be tested for sulfur, nitrogen, ash content and heating value. [District NSR Rule] Federally Enforceable Through Title V Permit
41. Operator shall operate and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO<sub>x</sub>, SO<sub>2</sub>, CO, and NH<sub>3</sub> concentrations. [District NSR Rule; District Rule 1080, 4.0; & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
42. 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
43. 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
44. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

45. 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
46. 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
47. 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 Rule 2520, 9.6.1; Rule 1080, 8.0; and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
48. 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
49. Operator shall notify the District no later than eight hours 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 Rule 1080, 10.0] Federally Enforceable Through Title V Permit
50. Permittee shall maintain an operating log containing type and quantity of fuel used and higher heating value of such fuels on daily basis. [District Rule 2520, 9.4.2; District Rule 4352, 6.2] Federally Enforceable Through Title V Permit
51. Sulfur content of the 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
52. 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
53. 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
54. 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
55. 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
56. 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
57. By August 31, 2014, and every two 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

58. By August 31, 2014, the permittee shall conduct a one-time energy assessment as described in 40 CFR 63, Subpart JJJJJ, Table 2. Permittee shall submit a signed statement in the Notification of Compliance Status report that the energy assessment was completed, and shall submit the energy assessment report upon request. [40 CFR 63.11214(c)] Federally Enforceable Through Title V Permit
59. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule and 40 CFR 63.11205(a) and 40 CFR 64] Federally Enforceable Through Title V Permit
60. Permittee shall submit the Notification of Compliance Status report by July 19, 2012. [40 CFR 63.11225(a)(4)] Federally Enforceable Through Title V Permit
61. By March 21, 2012, and every two 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

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-4-6

**EXPIRATION DATE:** 08/31/2016

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

**EQUIPMENT DESCRIPTION:**

BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 285 HP

## PERMIT UNIT REQUIREMENTS

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1. Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
5. Bottom ash storage silo shall be equipped with one 15 tph coaxial truck unloading spout. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
11. Fly ash storage silo shall be equipped with one 35 tph coaxial truck unloading spout. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Air displaced during truck loading of fly ash shall be ventilated back through fly ash storage silo. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



13. Only enclosed trucks which mate with coaxial loadout spouts shall be utilized. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Operation shall include two 7.5 hp fluidizing bed blowers, serving, in common, both the bottom and fly ash storage silos. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Each ash storage silo shall be dust tight and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
16. 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 NSR Rule] Federally Enforceable Through Title V Permit
17. Fabric collectors shall be equipped with dust-tight provisions to return collected material to process equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Fabric collectors exhaust shall discharge only to fluidized bed combustor secondary combustion air manifold. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Secondary combustion air bypass stack shall be open only when the fluidized bed combustor is shut down. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Fly ash silo bin vent filter (FI525) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Fabric collector (FI524) shall have twenty-four 10' long x 5.75" diameter bags. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Fabric collector (FI526) shall have twenty-four 8' 4" long x 5.75" diameter bags. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Ash shall not be transferred into silos or loaded into trucks unless fabric collectors are in use and functioning properly. [District NSR Rule] Federally Enforceable Through Title V Permit
26. 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
27. PM10 emissions shall not exceed 0.00 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
28. 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
29. 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
30. 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
31. 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

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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.

Facility Name: MT POSO COGENERATION COMPANY, LLC

Location: HEAVY OIL CENTRAL, CA

S-91-5-3 : Mar 30 2012 11:07AM -- CTIBORD

# 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**

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1. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-9-3

**EXPIRATION DATE:** 08/31/2016

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

**EQUIPMENT DESCRIPTION:**

PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

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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-91-12-2

**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

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart III]
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, 40 CFR Part 60 Subpart III]
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 III]
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 III]
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 and 40 CFR 60 Subpart III]
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.

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.

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# ATTACHMENT B

Previous Title V Operating Permit

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**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



**HEALTHY AIR LIVING™**

# Permit to Operate

**FACILITY:** S-91

**EXPIRATION DATE:** 08/31/2009

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

MT POSO COGENERATION COMPANY  
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

**David Warner**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: S-91-0-2

EXPIRATION DATE: 08/31/2009

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (3/21/02). [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 9.12.1] 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 COMPANY

Location: HEAVY OIL CENTRAL, CA

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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 (11/15/01). 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 the Table of Standards of District Rule 4601 (10/31/01) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (10/31/01) 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 (10/31/01). [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 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 82, Subpart B. [40 CFR 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8021 and 8011] 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011] 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8041 and 8011] 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011] 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8071 and Rule 8011] 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), and Rule 111 (Kern, Tulare, Kings). 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 (11/15/01); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (10/31/01); 8021 (11/15/01); 8031 (11/15/01); 8041 (11/15/01); 8051 (11/15/01); 8061 (11/15/01); and 8071 (11/15/01). 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-91-1-9

**EXPIRATION DATE:** 08/31/2009

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

**EQUIPMENT DESCRIPTION:**

COAL/PETROLEUM COKE RECEIVING, HANDLING AND STORAGE OPERATION AND TIRE DERIVED FUEL (TDF) RECEIVING AND TRANSFERRING OPERATION

## PERMIT UNIT REQUIREMENTS

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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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall include coal/petroleum coke storage silo with bin vent filter, exhaust fan and enclosed 200 tph silo bucket elevator. [District NSR Rule] 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 coal/ petroleum coke storage day bins each with bin vent filter and exhaust fan. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Operation shall include petroleum coke unloading hopper and transfer conveyor. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Petroleum coke unloading hopper shall be equipped with water/additive misting system, which shall be employed as needed to control dust emissions during unloading. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
10. All coal/petroleum coke conveyors and crushers shall be fully enclosed and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
11. All coal/petroleum coke storage silos shall be dust-tight (no visible emissions in excess of 0% opacity) and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Each fabric collector shall be equipped with automatically activated reverse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Each fabric collector shall be equipped with operational differential pressure indicator across each compartment. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



14. Each fabric collector shall be equipped with dust-tight (no visible emissions in excess of 0% opacity) provisions to return collected material to process equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Each fabric collector shall automatically activate whenever process equipment served is activated. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
18. Collected dust from Mikro-Pulseaire filter shall discharge to day bins. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Truck loading hopper enclosure shall be fully closed during entire unloading operation. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Enclosure dust suppression system water spray nozzles shall automatically operate when truck unloading is occurring. [District NSR Rule] Federally Enforceable Through Title V Permit
21. There shall be no visible emissions in excess of 5% opacity at any time from truck receiving hoppers enclosure and TDF receiving and transfer operation. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Coal/petroleum coke handling, crushing and storage equipment (except truck enclosure) shall not be the source of emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Coal/petroleum coke shall not be conveyed or crushed unless ventilation system and fabric collector are operating and functioning properly. [District NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
25. Petroleum coke, coal and TDF shall only be unloaded using the equipment specified for that purpose on this permit, for each respective fuel type. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Total time of fuel unloading at this permit unit and permit unit S-91- 9-1 together shall not exceed 8 aggregate hours/day. [District NSR Rule] 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 NSR Rule] 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 4101 and 4641 and District NSR Rule] Federally Enforceable Through Title V Permit
30. PM-10 emissions from truck unloading operation shall not exceed 0.74 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
31. PM-10 emissions from all other equipment shall not exceed 0.00 lb/hr. [District NSR Rule] 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
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

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



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-91-2-5

**EXPIRATION DATE:** 08/31/2009

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

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. Limestone storage silo shall be dust-tight and shall vent only to fabric collector. [District 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-91-3-10

**EXPIRATION DATE:** 08/31/2009

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

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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1. Operation shall include Ahlstrom Pyroflow atmospheric fluidized bed combustor incorporating low temperature staged combustion and ammonia injection (NO<sub>x</sub> control), and pulverized limestone injection (SO<sub>x</sub> control). [District NSR Rule] Federally Enforceable Through Title V Permit
2. Operation shall include enclosed gravimetric belt weigh feeder discharging to fuel feed chutes and enclosed limestone volumetric feeder with air lock system. [District NSR Rule] Federally Enforceable Through Title V Permit
3. 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 NSR Rule] Federally Enforceable Through Title V Permit
4. Operation shall include two fly ash recycle cyclones, air heater with two fly ash hoppers, economizer and ash handling system. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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 NSR Rule] Federally Enforceable Through Title V Permit
6. Operation shall include 12 compartment fabric collector with 1750 HP induced draft fan, reverse air cleaning mechanism and 100 HP reverse air fan. [District NSR Rule] Federally Enforceable Through Title V Permit
7. 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 NSR Rule] Federally Enforceable Through Title V Permit
8. Fly ash collected at fabric collector shall be discharged only to fly ash handling system. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Ash shall only be removed from combustion system by means authorized to Permit to Operate S-91-4. [District NSR Rule] Federally Enforceable Through Title V Permit
10. 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 use rate. The permittee shall operate and maintain instrumentation to continuously monitor and record levels of combustion temperature, consumption of fuel, ammonia, and limestone in boiler. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
11. 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 NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. 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 NSR Rule] Federally Enforceable Through Title V Permit
13. Fabric collector shall be equipped with automatic cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
14. All combustor exhaust gas shall pass through fabric collector prior to being emitted to atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Unit shall be operated as a low temperature combustor with a peak temperature range of 1550 to 1750 deg F. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Unit shall be operated as a staged combustion device by introducing a substoichiometric amount of combustion air into primary combustion zone. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Flue gas O<sub>2</sub> content shall be maintained at a level (3%-5%) which shows compliance with all emission limits and which minimizes NO<sub>x</sub> emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
18. 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 NSR Rule] Federally Enforceable Through Title V Permit
19. Combustor shall be fired only on natural gas, coal, petroleum coke, tire derived fuel (TDF) or combinations thereof as allowed for by this permit. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
20. No more than 1,400,000 lbs/day and 58,333 lbs/hr (on a dry basis) of solid fuel of no more than 4.0% by weight sulfur shall be introduced into the combustor. [District NSR Rule 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. A minimum of 0.035 lbm limestone/lbm of fuel shall be introduced into the combustor. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Limestone shall be introduced into combustor at a rate sufficient to maintain a minimum Ca/S molar ratio of 3. [District NSR Rule] Federally Enforceable Through Title V Permit
24. 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 three hour rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Emissions rates from boiler exhaust shall not exceed the following: PM<sub>10</sub>: 190.0 lb/day, VOC: 149.9 lb/day, NO<sub>x</sub> (as NO<sub>2</sub>): 1406.4 lb/day, SO<sub>x</sub> (as SO<sub>2</sub>): 699.4 lb/day and CO: 1207.2 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
26. 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% CO<sub>2</sub>. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
27. Emission rate of SO<sub>x</sub> (as SO<sub>2</sub>) shall not exceed 25.0 lb/hr, based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
28. SO<sub>x</sub> emissions (as SO<sub>2</sub>) 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 NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
29. Emission rate of oxides of nitrogen as NO<sub>2</sub> shall not exceed 58.60 lb/hr, based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
30. NO<sub>x</sub> emissions shall not exceed 0.20 lb/MMBtu at any time, except during startup and shutdown (as defined in Rule 4352), based on a 24 hour averaging period. [District Rule 4352, 5.1] 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. NO<sub>x</sub> 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 NSR Rule 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 NSR Rule] Federally Enforceable Through Title V Permit
33. Emission rate of carbon monoxide shall not exceed 50.30 lb/hr based on three hour rolling average. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
34. Except during periods of startup and shutdown (as defined in Rule 4352), the emission rate of carbon monoxide shall not exceed 400 ppmv @ 3% O<sub>2</sub>, based on a 24 hour averaging period. [District Rule 4352, 5.3] Federally Enforceable Through Title V Permit
35. 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
36. Performance testing at maximum operating capacity shall be conducted annually for NO<sub>x</sub>, SO<sub>x</sub>, CO, PM-10, PM, and VOCs at the maximum operating capacity using following test methods; for NO<sub>x</sub> EPA Methods 1-4 and 7 or ARB Method 100; for SO<sub>x</sub> EPA Methods 1-4 and 6 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM(10) EPA Method 201A in combination with EPA Method 202; for PM EPA Methods 1-4 and 5; and for VOCs EPA Method 25 or 18. [District Rule 4352, 6.4; District Rule 2520, 9.4.2; PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
37. 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 & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
38. 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 & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
39. Permittee shall report the following emission exceedences to the District: SO<sub>2</sub>, NO<sub>x</sub>, and CO hourly emission rates on a three hour rolling average and daily emissions limitations. Excess emissions shall be defined as any consecutive 3-hour period during which the average emissions for CO, SO<sub>2</sub>, and NO<sub>x</sub> as measured by continuous monitoring system, exceeds the mass or concentration limit set for each pollutant. [District NSR Rule and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
40. At the time of performance testing fuel being burned shall be tested for sulfur, nitrogen, ash content and heating value. [District NSR Rule] Federally Enforceable Through Title V Permit
41. Operator shall operate and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO<sub>x</sub>, SO<sub>2</sub>, CO, and NH<sub>3</sub> concentrations. [District NSR Rule; District Rule 1080, 4.0; & PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
42. 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
43. 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
44. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

45. 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
46. 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
47. 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 Rule 2520, 9.6.1; Rule 1080, 8.0; and PSD ATC SJ 86-09] Federally Enforceable Through Title V Permit
48. 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
49. Operator shall notify the District no later than eight hours 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 Rule 1080, 10.0] Federally Enforceable Through Title V Permit
50. Permittee shall maintain an operating log containing type and quantity of fuel used and higher heating value of such fuels on daily basis. [District Rule 2520, 9.4.2; District Rule 4352, 6.2] Federally Enforceable Through Title V Permit
51. Sulfur content of the 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
52. 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
53. 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
54. 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
55. 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
56. 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-91-4-5

**EXPIRATION DATE:** 08/31/2009

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

**EQUIPMENT DESCRIPTION:**

BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 285 HP

## PERMIT UNIT REQUIREMENTS

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1. Bottom ash collection system shall include: two enclosed screw conveyors with rotary air locks, two surge hoppers, one 4 tph vacuum conveyor, and one 78 ton bottom ash storage silo with cyclone followed by fabric filter (FI526). [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
5. Bottom ash storage silo shall be equipped with one 15 tph coaxial truck unloading spout. [District NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] 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 NSR Rule] Federally Enforceable Through Title V Permit
11. Fly ash storage silo shall be equipped with one 35 tph coaxial truck unloading spout. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Air displaced during truck loading of fly ash shall be ventilated back through fly ash storage silo. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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



13. Only enclosed trucks which mate with coaxial loadout spouts shall be utilized. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Operation shall include two 7.5 hp fluidizing bed blowers, serving, in common, both the bottom and fly ash storage silos. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Each ash storage silo shall be dust tight and shall vent only to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
16. 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 NSR Rule] Federally Enforceable Through Title V Permit
17. Fabric collectors shall be equipped with dust-tight provisions to return collected material to process equipment. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Fabric collectors exhaust shall discharge only to fluidized bed combustor secondary combustion air manifold. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Secondary combustion air bypass stack shall be open only when the fluidized bed combustor is shut down. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Bottom ash silo bin vent filter (FI527) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Fly ash silo bin vent filter (FI525) shall have twenty-five 7' long x 5.75" diameter Nomex bags. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Fabric collector (FI524) shall have twenty-four 10' long x 5.75" diameter bags. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Fabric collector (FI526) shall have twenty-four 8' 4" long x 5.75" diameter bags. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Visible emissions from any equipment authorized for these source operations shall not exceed 5% in opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Ash shall not be transferred into silos or loaded into trucks unless fabric collectors are in use and functioning properly. [District NSR Rule] Federally Enforceable Through Title V Permit
26. 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
27. PM10 emissions shall not exceed 0.00 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
28. 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
29. 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
30. 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
31. 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-91-5-2

EXPIRATION DATE: 08/31/2009

SECTION: SW18 TOWNSHIP: 27S RANGE: 28E

## EQUIPMENT DESCRIPTION:

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

## PERMIT UNIT REQUIREMENTS

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1. Lime storage silo shall be dust-tight and vent only to fabric collector. [District 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-91-7-3

**EXPIRATION DATE:** 08/31/2009

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

**EQUIPMENT DESCRIPTION:**

235 BHP CATERPILLAR MODEL 3208T DIESEL-FIRED EMERGENCY IC ENGINE WITH A TURBOCHARGER  
POWERING A FIREWATER PUMP

## PERMIT UNIT REQUIREMENTS

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1. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District NSR Rule and District Rule 4702] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with a positive crankcase ventilation system. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Permittee shall submit a written record of annual hours of operation of IC engine within 60 days prior to yearly permit anniversary. [District Rules 1070, 4.0 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
7. Emission rates from this IC engine shall not exceed any of the following limits: 1.00 gr-PM10/hp-hr, 0.17 gr-SO<sub>x</sub> (as SO<sub>2</sub>)/hp-hr, 5.70 gr-NO<sub>x</sub> (as NO<sub>2</sub>)/hp-hr, 0.030 gr-VOC/hp-hr, and 5.3 gr-CO/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit
9. 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
10. 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.

**San Joaquin Valley  
Air Pollution Control District**

**PERMIT UNIT:** S-91-8-2

**EXPIRATION DATE:** 08/31/2009

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

**EQUIPMENT DESCRIPTION:**

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

**PERMIT UNIT REQUIREMENTS**

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1. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]

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

Facility Name: MT POSO COGENERATION COMPANY

Location: HEAVY OIL CENTRAL, CA

S-91-8-2: 6ep 22 2010 9:37AM - CTIBORD

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-91-9-2

**EXPIRATION DATE:** 08/31/2009

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

**EQUIPMENT DESCRIPTION:**

PETROLEUM COKE RECEIVING, UNLOADING AND OPEN STORAGE OPERATION

## PERMIT UNIT REQUIREMENTS

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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.

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# ATTACHMENT C

Detailed Facility List

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

MT-POSO COGENERATION COMPANY, LLC HEAVY OIL CENTRAL CA	FAC # STATUS: TELEPHONE:	S 91 A	TYPE: TOXIC ID:	TitleV 50171	EXPIRE ON: AREA: INSP. DATE:	08/31/2016 5/ 11/11
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-91-1-10	No applicable fee	999-99	1	0.00	0.00	A	COAL/PETROLEUM COKE 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-91-3-13	49,900 kW built before 3/17/99	3020-08A G	1	10,215.00	10,215.00	A	49.9 MW COAL/PETROLEUM COKE AND TIRE DERIVED FUEL (TDF) FIRED ATMOSPHERIC CIRCULATING FLUIDIZED BED COMBUSTOR COGENERATION POWER PLANT
S-91-4-6	No applicable fee	999-99	1	0.00	0.00	A	BOTTOM ASH AND FLY ASH HANDLING, STORAGE AND LOADOUT OPERATION WITH ELECTRIC MOTOR HORSEPOWER NOT TO EXCEED 285 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-91-7-3	235 hp IC Engine	3020-10 C	1	240.00	240.00	D	235 BHP CATERPILLAR MODEL 3208T DIESEL-FIRED EMERGENCY IC ENGINE WITH A TURBOCHARGER POWERING A FIREWATER PUMP
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-91-12-2	220 hp IC engine	3020-10 C	1	240.00	240.00	A	220 HP CLARK/JOHN DEERE MODEL JU6H-UFADPO TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN EMERGENCY FIREWATER PUMP

Number of Facilities Reported: 1



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# ATTACHMENT D

Public Comments / District Responses

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## **Tom Frantz of Association of Irrigated Residents Comments & District Responses**

The District has received and reviewed the questions and comments submitted on June 8, 2011 by Tom Frantz. As part of responding to Mr. Frantz's questions and comments, the District would like to clarify what a Title V permit renewal is and is not. Title V is a nation-wide requirement for major sources of air pollution to obtain operating permits that will contain all the applicable federal air quality regulations the facility is subject to. This is in addition to the District's permit to operate. The Title V permit must be renewed every 5 years, to ensure it continues to contain all the applicable federal air quality regulation the source is subject to. This current project is the renewal of Mt. Poso Cogeneration Company's (MPCC) Title V Permit.

As Title V is an operating permit program, it is not a pre-construction review program like New Source Review and Prevention of Significant Deterioration are. Therefore, approval of facility modifications is not done through Title V (but modifications, once implemented, are brought into the Title V permit).

Below are the questions and comments and their respective District responses:

### **Comment 1:**

The newspaper notice printed on the Air District webpage does not have a publication date. How is the public supposed to know when the 30 day comment period ends? AIR is assuming the comment period begins 3 days after May 10, 2011 or on May 13 which would give a deadline of June 9, 2011. These comments are being sent by email to Dave Warner on June 8, 2011.

### **District Response:**

*The District is required to post a notice of this proposed action in a newspaper of general circulation, and it is the publication date of the newspaper that starts the 30 day noticing period for comments. The notice is placed on the District's website to enhance the public's ability to know of these projects, and we apologize for any confusion this may have caused. The District is looking into an enhancement of the web-based posting, to include the date of publication, so this confusion may be avoided in the future.*

*The notice was placed on the District's website on May 10, 2011, and it was stated that the newspaper publication would be approximately 3 days later. If it was published on May 13, 2011, the 30 day deadline to provide comments would have been June 12, 2011. The District appreciates Mr. Frantz's efforts to ensure his comments would be submitted within 30 days of the notice being put on the District's website.*

**Comment 2:**

AIR requests that a greenhouse gas emission analysis be performed of this power plant which includes the emissions from all associated trucking.

**District Response:**

*A greenhouse gas analysis is not required to renew a Title V permit, and there is no regulatory basis for performing one at this time. Additionally, Title V permits only encompass the facility's permitted emission units, and mobile sources such as trucks, are not part of the Title V permit. Last, applicable greenhouse gas regulations are included in the permit, as discussed in the evaluation.*

**Comment 3:**

AIR requests that NOx and particulate matter emissions from all associated trucking be included in the emission analysis in a way similar to the district's Indirect Source Rule.

**District Response:**

*Title V permits only encompass the facility's permitted emission units, and mobile sources such as trucks, are not part of the Title V permit. Additionally, the Indirect Source Review (ISR) rule only applies to sources that are not subject to permits, and as the power plant is subject to District permits, all activities associated with it are exempt from ISR.*

**Comment 4:**

AIR claims that this permit application is not a renewal but a major modification because it represents a major change from the biomass burning permit given in the past two years. Therefore, AIR requests a more thorough analysis be done of every aspect of this permit.

**District Response:**

*Contrary to this comment, this renewal does not represent a change from the authorized addition of biomass as a fuel. Any changes at a facility will be brought into the Title V permit after they have been implemented. The facility received Authority to Construct (ATCs) to add biomass fuel to the list of approved fuels in late 2008, but at the time of this renewal, they have not fully implemented the addition and performed all necessary source tests, and so this change is not ready to be brought into the Title V permit at this time. Therefore, this renewal will be for the currently permitted mix of fuels, and the biomass fuel will be brought into the Title V permit at a later date.*

**Comment 5:**

AIR requests an analysis of the quantity of methane emissions from the coal while it is being transported through and stored in Kern County.

**District Response:**

*Title V permits only encompass the facility's permitted emission units, and mobile sources such as delivery of fuel, are not part of the Title V permit. Therefore, there is no regulatory basis for performing the requested analysis at this time.*

**Comment 6:**

AIR requests information on the status of the permit given to this plant recently to burn biomass as the majority fuel. Is that permit still valid after this one is approved? Will this plant burn biomass? Where will the biomass come from? What type of contamination is found in this biomass?

**District Response:**

*As indicated in the response to Comment 4, ATCs to allow the combustion of biomass were issued in late 2008, and since that date the facility has worked to make the necessary modifications to the operation, and the ATCs remain valid. They have recently finished all the modifications, and are burning biomass fuel. Once compliance with all the conditions of the ATCs is demonstrated, the biomass fuel will be incorporated into the Title V permit. Where the biomass will come from was not part of the analysis and approval, and so the District has no information about that. The ATC's allow up to 2% of the material to be non-biomass, including plastics, metal, painted and preservative treated wood, roofing material, fiberglass, etc.*

**Comment 7:**

AIR requests information on how many tons of tires have been burned in the past ten years, per year? Does this permit renewal include permission to continue burning tires? AIR requests information as to how far any tires were transported before being burned in the facility.

**District Response:**

*While MPCC is required to keep daily records of the amounts of each fuel it combusts, there is no requirement to report this information to the District unless the District asks for it. Through emission inventory and inspection reports, only data for 2008 to 2010 for tire derived fuel combustion is available, as follows: 2008: 2,991 tons; 2009: 1,988 tons; 2010: zero (0) tons. As this renewal is based on the permits prior to the addition of biomass fuel, the permits will*

*continue to allow the combustion of tires. Additionally, the ATC's of 2008 approved the addition of biomass to the current fuels, and did not remove any current fuel, including tires, from the allowed fuels. Their permit does not require them to keep records of where the tire derived fuel came from, and so the District has no information about that.*

**Comment 8:**

AIR requests information as to where the ash from this plant has gone each year during the past ten years and the results of any testing of this ash for toxic contaminants and heavy metals known to be found in coal ash.

**District Response:**

*Disposal of the ash is not under the purview of the District, and therefore we have no requirements of them to keep such records.*

**Comment 9:**

AIR requests an explanation for how a permit which expired in 2009 can be renewed without a thorough CEQA analysis in 2011, especially after the permit granted to burn biomass, instead of coal, was given, in between those years.

**District Response:**

*While the previous Title V permit had an expiration date of August 31, 2009, District Rule 2520, Section 8.3, states that the existing permit will remain in effect if the facility submits a timely and complete application for renewal until the renewed permit is issued or denied. The facility submitted their renewal application on April 15, 2009, which was between 6 and 18 months before the expiration date, and is therefore timely. Therefore, the existing Title V permit remains in effect until this current renewal project is issued or denied. Additionally, renewing a Title V is exempt from CEQA review.*

**Comment 10:**

AIR requests that a public hearing be held regarding the issuance of this permit.

**District Response:**

*At the commenter's request, the District held a public hearing on January 30, 2012, in Bakersfield.*

**Comment 11:**

With the assumption that this facility no longer has a contract to sell electricity to a power company such as PG&E, because its CO2 emissions rate per MW-hr from burning coal are too high by State standards, how can the air district justify renewing this permit? Does the air district not have to follow PUC rules and State of California law?

**District Response:**

*A facility must comply with all the regulations that apply to it, and the District has no jurisdiction over what contracts MPCC may or may not enter into. Renewing the Title V permit would allow them to continue to operate from an Air District standpoint, but another agency may prohibit them from operating. Additionally, it is the District's understanding that the CPUC regulation the commenter is referring to would only prohibit a source from entering into long-term contracts to sell electricity and such a source could still sell electricity via short-term contracts, and therefore the commenter's assumption is false.*

**Comment 12:**

Did Mt Poso take advantage of the higher electricity rates for its electrical production which were authorized by the PUC for the conversion to biomass? This rate subsidy is detailed in Advice 3489-E from PG&E to the PUC in July of 2009.

**District Response:**

*The District has no information about the electrical rates the facility received. This comment should be directed to the California Public Utilities Commission.*

**Comment 13:**

AIR believes that this plant is required to convert to natural gas with the best available low NOx burners as BACT for this major modification from biomass to coal (or whatever they are modifying). Alternatively, the plant should convert to combustion chambers with pure oxygen only to eliminate all NOx. Then the exhaust can be captured as almost pure CO2 plus water and be sent to the nearby oil fields as the steam is currently.

**District Response:**

*As stated in the response to comment 4, the renewal of the Title V permit does not represent a change from biomass to non-biomass fuels, and is not subject to New Source Review, of which Best Available Control Technology (BACT) is a part.*

**Comment 14:**

AIR requests to know what conversions to the plant were actually made since 2008 in order to convert the plant to biomass burning. Did the plant ever run with 90% or more biomass fuel for periods longer than 24 hours? What are the dates and times when the plant ran on mostly biomass (50% or more) during the past 5 years?

**District Response:**

*In order to combust biomass, MPCC has added 2 operations: a biomass receiving, conveying, screening and storage operation, and a biomass reclaiming operation. The receiving to storage operation consists of the following equipment (from the equipment description on ATC S-91-10-3):*

*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*

*The reclaiming operation consists of the following equipment (from the equipment description on ATC S-91-11-3):*

*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*

*As stated in the response to Comment 7, the facility is not required to submit their daily fuel usage data to the District, and the District has not requested the data to answer the questions in this comment.*

**Comment 15:**

AIR requests to know how much biomass has been burned in this plant per year over the past 5 years. AIR also requests to know exactly where this biomass has come from and the distance it traveled by truck to the Mt Poso facility. AIR also requests to know the average contamination level on non-biomass that was contained in the biomass material. AIR also requests to know what types of biomass were incinerated.

**District Response:**

*While MPCC is required to keep daily records of the amounts of each fuel it combusts, there is no requirement to report this information to the District unless*

*the District asks for it. Through emission inventory and inspection reports, only data for 2009 for biomass combustion is available, as follows: 2009: 40.524 tons. While MPCC is required to sample the biomass material quarterly to determine the amount of non-biomass material in the fuel and keep records of this, there is no requirement to report this information to the District unless the District asks for it. To date, District inspectors are reviewing the records to ensure they stay below their permit limits, but have not kept or recorded the actual percentage of non-biomass material and this information is not currently available.*

**Comment 16:**

AIR requests to know if a new facility exactly like Mt Poso could be permitted today to burn coal by the Air District?

**District Response:**

*A new solid fuel-fired boiler power plant could be approved, so long as it met all the preconstruction approvals, such as New Source Review, including BACT, offsets and ambient air quality impact analysis, Risk Management Review/Health Risk Assessment, Prevention of Significant Deterioration (if applicable), the California Environmental Quality Act (CEQA) and all other federal, state and local regulations that the District is responsible for implementing.*



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# ATTACHMENT E

Public Hearing Comments

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## **Public Hearing Comments & District Responses**

Below are the District's responses to the public hearing comments regarding the District's analysis and preliminary decision to renew the Title V permit for Mt. Poso Cogeneration Co. (MPCC, District Facility# S-91). This was held on January 30, 2012 at the San Joaquin Valley Air Pollution Control District Office located at 34946 Flyover Ct in Bakersfield, CA.

Below is a list of public comments and the District responses:

### **Comment 1:**

One individual asked if there were any rules or conditions that would require the facility to reduce its emissions.

### **District Response:**

*While the District has no current plans to amend rules that would apply to MPCC, the US EPA has proposed a Boiler MACT rule that might require MPCC to reduce emissions. Until all aspects of this rule are finalized, reductions that MPCC would have to make are not certain. However, based on the standards of the March 21, 2011 rule, they would need to reduce their carbon monoxide (CO) permitted emission rate from 400 ppmv to 200 ppmv, and would have to meet a mercury emission rate of 0.0000048 lb/MMBtu heat input, and to meet this limit (they currently do not have a specific mercury emissions limit), they may need to modify the operation or install additional controls.*

### **Comment 2:**

One individual expressed opposition to the renewal, stating that the Title V permits arise from the Clean Air Act's 1990 Amendments. Stating that because of the Clean Air Act, the facility should not be permitted because of the HAP's and its obvious avoidance of CEC oversight.

### **District Response:**

*The facility is in compliance with all federal, state, and local air pollution regulations. The facility HAP emissions are less than 10 tons per year for any single HAP and less than 25 tons per year of all HAPs combined. Additionally it was discussed that it is common in the industry to keep the MW to under the 50 MW threshold which triggers CEC and additional oversight and permitting requirements.*

### **Comment 3:**

One individual questioned the new state required Greenhouse Gas regulations (GHG) and why Mt. Poso isn't being subject to a new CEQA to include the GHG regulations?

**District Response:**

*No Greenhouse Gas regulations have been delegated to the District from the State that would apply to this facility and there are no State derived GHG regulations in the Title V permit. A Title V permit is a federal operating permit, and renewing that operating permit is not a project subject to CEQA review.*

**Comment 4:**

One individual asked how long did the facility request a renewal term for and requested that the District shorten the Title V renewal term from 5 years to 2 years.

**District Response:**

*Mt. Poso had not requested a term length in their application. The five years is a standard term for Title V permits and the District has no regulatory basis for not granting a five year term.*

**Comment 5:**

One individual asked if the rules change would the District change the length of the permits.

**District Response:**

*No. The changes would be addressed, but no term length changes would take place. For example, when the new solid fuel rule (District Rule 4352) comes into effect the facility would be required to apply for an ATC to make any necessary changes to comply with the new rule.*

**Comment 6:**

One individual read and submitted a letter to the district, reproduced below.

Hello, my name is (name withheld). I am on the Executive Committee of the Kern Kaweah Branch of the Sierra Club. I wish to state that I am opposed to the renewal of this permit, for the following reasons. This coal burning plant is emitting a large amount of NOx fumes, in comparison to the amount of electricity it is generating. This plant, together with 2 other plants in the area, are the second largest source of NOx in that area. NOx is considered to be the highest

priority for reducing by the local Air Board. I ask that you consider not renewing the permit. Thank you.

**District Response:**

*As long as the source will operate in compliance with the conditions of their permit, the District would have no basis for denying the renewal of the permit. As part of District's Attainment Plan, the District will look at all sources of emissions and determine what reductions are needed to attain the ambient air quality standard. If further reductions are needed from this type of facility, a new or amended Rule would be developed in the future.*

**Comment 7:**

One individual asked about the new NOx limits for boilers in Rule 4352 amended in December.

**District Response:**

*MPCC already meet the standards that come into effect January 1, 2013, but will need to amend their permit limits to show compliance.*

**Comment 8:**

One individual asked why MPCC isn't burning 100% biomass and stated that they should be.

**District Response:**

*MPCC applied for and received Authority to Construct (ATCs) to combust biomass in addition to their currently approved fuels, and has recently finished installing the biomass fuel receiving operation. Once they have finished demonstrating compliance, including source tests, while operating on biomass, the biomass fuel will be added to the Title V permit. However, MPCC did not apply to replace the current fuels with biomass, only to add biomass to the approved fuels. They are able to combust any fuel they are allowed.*

**Comment 9:**

One individual asked why the District isn't enforcing the Public Utility Commissions (PUC) Regulations regarding CO<sub>2</sub> emissions that are "too high" on a lb/MW-hr basis.

**District Response:**

*A facility must comply with all the regulations that apply to it, and the District has no jurisdiction over PUC regulations. Regarding the statement that MPCC's emissions are "too high.; it is the District's understanding that the PUC regulation the commenter is referring to would only prohibit a source from entering into long-term contracts to sell electricity and such a source could still sell electricity via short-term contracts, and therefore MPCC would still be able to sell electricity.*

**Comment 10:**

One individual asked if the facility is subject to Indirect Source Review (ISR) due to its change in operation by including Biomass as fuel.

**District Response:**

*The Indirect Source Review (ISR) rule only applies to sources that are not subject to permits. As the power plant is subject to District permits, all activities associated with it are exempt from ISR.*

**Comment 11:**

One individual asked if the facility loses their coal burning permit if they convert to Biomass.

**District Response:**

*In applying for approval to combust biomass, MPCC asked to have biomass added to the list of approved fuels. So long as they still have the capability of combusting fuels other than biomass, they would not lose that ability within their permit unless they specifically modify their permits to remove those other fuels.*