



SEP 03 2010

Maynard Adams
Rio Bravo Jasmin
11258 Porterville Hwy
Bakersfield, CA 93308

**Re: Notice of Preliminary Decision - Title V Permit Renewal
District Facility # S-1751
Project # S-1091974**

Dear Mr. Adams:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Rio Bravo Jasmin for its electrical generating facility, 11258 Porterville Hwy, Bakersfield, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner
Director of Permit Services

Attachments

C: Juscelino Siongco, Permit Services Engineer

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

Central Region (Main Office)
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SEP 03 2010

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

**Re: Notice of Preliminary Decision – Title V Permit Renewal
District Facility # S-1751
Project # S-1091974**

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Rio Bravo Jasmin for its electrical generating facility, 11258 Porterville Hwy, Bakersfield, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner
Director of Permit Services

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SEP 03 2010

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

**Re: Notice of Preliminary Decision - Title V Permit Renewal
District Facility # S-1751
Project # S-1091974**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Rio Bravo Jasmin for its electrical generating facility, 11258 Porterville Hwy, Bakersfield, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner
Director of Permit Services

Attachments

C: Juscelino Siongco, Permit Services Engineer

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Bakersfield Californian

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

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed renewal of the Federally Mandated Operating Permit to Rio Bravo Jasmin for its electrical generating facility, 11258 Porterville Hwy, Bakersfield, California.

The District's analysis of the legal and factual basis for this proposed action, project #S-1091974, is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and the District office at the address below. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed renewal of the Federally Mandated Operating permit. If requested by the public, the District will hold a public hearing regarding issuance of this renewed permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. Written comments on the proposed renewed permit must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CALIFORNIA 93726-0244.

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

Proposed Title V Permit Renewal Evaluation
Rio Bravo Jasmin
S-1751

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TITLE V PERMIT RENEWAL EVALUATION
Electrical Generating Facility

Engineer: Juscelino Siongco
Date: September 1, 2010

Facility Number: S-1751
Facility Name: Rio Bravo Jasmin
Mailing Address: 11258 Porterville Highway
Bakersfield, CA 93308

Contact Name: Maynard Adams
Phone: (661) 792-3048

Responsible Official: William Rossiter
Title: Vice President and Plant Manager

Project # : S-1091974
Deemed Complete: April 20, 2009

I. PROPOSAL

Rio Bravo Jasmin 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.

The facility is proposing to revise condition 32 on the current permit unit S-1751-3-14 (36 MW Solid Fuel Fired Circulating Bed Combustor Cogeneration Unit) to state "Performance testing shall be conducted annually for NOx, SOx, CO, VOCs, and PM(10) at the maximum operating capacity at steady-state steam production rate of at least ninety (90) percent of 305,000 pounds per hour using following test methods; for NOx EPA Methods 1-4 and 7 or ARB Method 100; for

SOx EPA Methods 1-4 and 8 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for VOCs EPA Method 25 or 18; and for PM(10) EPA Method 201A in combination with EPA Method 202" in order to clearly identify the operating condition at which the source test should be performed. The proposal modifies a condition based on the facility's PSD permit SJ 85-07 and requires EPA's approval. Since the facility has not received EPA's approval to change the condition, this proposal is not included with this evaluation.

The facility is also proposing a baghouse pressure differential limit of 4 to 7.5 H₂O for permit unit S-1751-3-16 (36 MW Solid Fuel Fired Circulating Bed Combustor Cogeneration Unit) as part of the unit's Compliance Assurance Monitoring Plan (CAM). Condition 42 on the proposed permit is revised to include this proposal.

II. FACILITY LOCATION

Rio Bravo Jasmin is located at 11258 Porterville Highway, 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 does not propose to use any model general permit templates.

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

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated

- District Rule 2020, Exemptions
(amended September 21, 2006 ⇒ amended December 20, 2007)
- District Rule 2201, New and Modified Stationary Source Review Rule
(amended September 21, 2006 ⇒ December 18, 2008)
- District Rule 4101, Visible Emissions
(amended November 15, 2001 ⇒ amended February 17, 2005)
- District Rule 4352, Solid Fuel Fired Boilers, Steam Generators and Process Heaters
(amended October 19, 1995 ⇒ amended May 18, 2006)
- District Rule 4601, Architectural Coatings
(amended October 31, 2001 ⇒ amended December 17, 2009)
- District Rule 4702, Internal Combustion Engines–Phase 2
(amended April 20, 2006 ⇒ amended January 18, 2007)
- 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 60, Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978 (amended January 28, 2009)
- 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended January 18, 2008)
- 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 Updated

- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- 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 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 (amended June 21, 2001)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4202, Particulate Matter - Emission Rate (amended December 17, 1992)
- District Rule 4701, Internal Combustion Engines–Phase 1 (amended August 21, 2003)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
- 40 CFR Part 60, Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos
- 40 CFR Part 72, Subpart A, Acid Rain Program General 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

1. S-1751-0-3 Facility-Wide Requirements

- Condition 44 of the proposed permit is based on this rule.

B. District Rule 7012 - Hexavalent Chromium - Cooling Towers

2. S-1751-8-7 Induced Draft Cooling Tower

- Condition 1 of the proposed permit is based on this rule.

VIII. PERMIT REQUIREMENTS

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

A. District Rule 2020 - Exemptions

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

B. 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.

C. District Rule 4101 - Visible Emissions

This rule prohibits the discharge of any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart; or is of such opacity as to obscure an observer's view to a degree equal to or greater than the smoke described in Section 5.1 of Rule 4101. The rule was amended in February 17, 2005.

1. S-1751-0-3 – Facility-Wide Requirements

- Condition 22 on the proposed permit ensures compliance with this rule.

2. S-1751-3-16 – 36.0 MW Solid Fuel Fired Circulating Bed Combustor Cogeneration Unit

- Condition 17 on the proposed permit ensures compliance with this rule.

D. District Rule 4352 - Solid Fuel Fired Boilers, Steam Generators and Process Heaters

This rule limits the emissions of oxides of nitrogen (NO_x) and carbon monoxide (CO) from solid fuel fired boilers, steam generators and process heaters. The rule was amended in May 18, 2006.

1. S-1751-3-16 – 36.0 MW Solid Fuel Fired Circulating Bed Combustor Cogeneration Unit

- Conditions 20, 27, 31, 32, and 36 on the proposed permit ensure compliance with this rule.

E. District Rule 4601 - Architectural Coatings

This rule limits the emissions of VOCs from architectural coatings. It requires limiting the application of any architectural coating to no more than what is listed in the Table of Standards (Section 5.0). The rule was amended in December 17, 2009. Since the following changes included in the latest rule amendment did not result in adding new requirements and/or revising current requirements in the facility-wide permit, no further evaluation is needed.

Section 2.0 – Applicability

The phrase “blends or repackages” was added to rule language to extend the applicability of rule language to facilities involved in those activities.

Section 3.0 – Definitions

Numerous definitions was added, deleted or modified in order to make the amended rule harmonize with definitions and rule requirements presented in the California Air Resources Board (ARB) Suggested Control Measures (SCM).

Section 4.0 – Exemptions

A reporting requirement was added for any architectural coating that is sold in a container with a volume of one liter or less. The exemption for architectural coatings was further defined by adding “coatings that are supplied and offered for sale” to current language, in order to make the rule consistent with the ARB SCM.

Section 5.0 – Requirements

The amended rule implements the recommended VOC limits per the ARB SCM. The following changes were as follows: 15 coating categories were eliminated, ten were added, nineteen coatings categories remained unchanged, and the VOC content limits for 19 categories were lowered.

Section 6.0 – Administrative Requirements

Section 6.1 – Labeling Requirements

Labeling requirements were updated to add new labeling standards consistent with new coatings categories per the SCM.

Section 6.2 – Reporting Requirements

A new section was added to include reporting requirements per the SCM. The SCM contains a new requirement to submit sales data. Collection of this data is authorized in the California Health and Safety Code which requires submission of data to estimate emissions.

Section 6.3 – Test Methods

New sections were added to coincide with new coating categories pursuant to the ARB SCM.

Section 7.0 – Compliance Schedule

This section was updated to account for the new amendments to rule language by adding the phrase “the dates specified within the text of the rule.”

Section 8.0 – Averaging Compliance Option
This section was deleted in its entirety.

The following permit requirements were added and/or revised to ensure compliance with this rule:

1. S-1751-0-3 – Facility-Wide Requirements

- Conditions 23, 24, and 25 ensure compliance with the revised requirements of this rule.

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

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. The rule was amended in January 18, 2007 to address the following. The definition of Certified Compression-Ignited Engine was modified to include a Code of Federal Regulation citation. Exemption was added for engines used in retracting arresting gear cables used to stop military naval aircraft after landing. A compliance deadline for engines used exclusively in agricultural operation was extended for one year. Engines operated with an APCO certified exhaust control system were exempted from submitting an emission control plan. Certified compression ignition engines were exempted from compliance testing. A portable NO_x analyzer was allowed for Agriculture Operation (AO) spark-ignited engines to initially show compliance with the emission standards until a source test can be arranged. Representative testing for spark-ignited engines were allowed. A District certification program was established to verify the control efficiency of exhaust control systems.

The following permit requirements ensure compliance with this rule:

1. S-1751-6-6 – 195 bhp Detroit Diesel Emergency IC Engine Powering a Firewater Pump

- Conditions 1, 7, 8, 9, and 10 on the proposed permit ensure compliance with the revised requirements of this rule.

2. S-1751-7-4 – 112 bhp Waukesha Diesel-Fired Emergency IC Engine Powering a Feedwater Pump

- Conditions 1 and 7 through 11 on the proposed permit ensure compliance with the revised requirements of this rule.

3. S-1751-9-6 – 435 bhp Cummins Diesel-Fired Emergency Standby IC Engine Powering an Air Compressor
 - Conditions 1 and 3 from the current PTO were deleted since they are duplicates of conditions 44 and 22 of the proposed facility-wide permit S-1751-0-3.
 - Conditions 2 and 9 through 14 on the proposed permit ensure compliance with the revised requirements of this rule.

4. S-1751-11-1 – 147 bhp Generac Model V Rich-Burn Natural Gas-Fired Emergency Standby IC Engine with Non-Selective Catalytic Reduction Powering an Electrical Generator
 - Conditions 1 and 3 from the current PTO were deleted since they are duplicates of conditions 44 and 22 of the proposed facility-wide permit S-1751-0-3.
 - Conditions 4 and 8 through 14 on the proposed permit ensure compliance with the revised requirements of this rule.

G. District Rule 8011 - General Requirements

The purpose of Regulation VIII (Fugitive PM10 Prohibitions) is to reduce ambient concentrations of fine particulate matter (PM10) by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. The Rules contained in this Regulation have been developed pursuant to United States Environmental Protection Agency guidance for Serious PM10 Nonattainment Areas. The rules are applicable to specified anthropogenic fugitive dust sources. Fugitive dust contains PM10 and particles larger than PM10. Controlling fugitive dust emissions when visible emissions are detected will not prevent all PM10 emissions, but will substantially reduce PM10 emissions.

The provisions of this rule are applicable to specified outdoor fugitive dust sources. The definitions, exemptions, requirements, administrative requirements, recordkeeping requirements, and test methods set forth in this rule are applicable to all Rules under Regulation VIII (Fugitive PM10 Prohibitions) of the Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District.

Conditions 29 through 34 of permit unit S-1751-0-3 ensure compliance.

H. District Rule 8021 - Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities

The purpose of this rule is to limit fugitive dust emissions from construction, demolition, excavation, extraction, and other earthmoving activities.

This rule applies to any construction, demolition, excavation, extraction, and other earthmoving activities, including, but not limited to, land clearing, grubbing, scraping, travel on site, and travel on access roads to and from the site. This rule also applies to the construction of new landfill disposal sites or modification to existing landfill disposal sites prior to commencement of landfilling activities.

Section 5.0 requires that no person shall perform any construction, demolition, excavation, extraction, or other earthmoving activities unless the appropriate requirements in sections 5.1 and 5.2 are sufficiently implemented to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

Condition 29 of permit unit S-1751-0-3 ensures compliance.

I. District Rule 8031 - Bulk Materials

The purpose of this rule is to limit fugitive dust emissions from the outdoor handling, storage, and transport of bulk materials.

This rule applies to the outdoor handling, storage, and transport of any bulk material.

Section 5.0 requires that no person shall perform any outdoor handling, storage, and transport of bulk materials unless the appropriate requirements in Table 8031-1 of this rule are sufficiently implemented to limit VDE to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

Condition 30 of permit unit S-1751-0-3 ensures compliance.

J. District Rule 8041 - Carryout and Trackout

The purpose of this rule is to limit fugitive dust emissions from carryout and trackout.

This rule applies to all sites that are subject to Rules 8021 (Construction, Demolition, Excavation, Extraction, and other Earthmoving Activities), 8031 (Bulk Materials), and 8071 (Unpaved Vehicle and Equipment Traffic Areas) where carryout or trackout has occurred or may occur.

Section 5.0 requires that an owner/operator shall sufficiently prevent or cleanup carryout and trackout as specified in sections 5.1 through 5.8. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII. The use of blower devices, or dry rotary brushes or brooms, for removal of carryout and trackout on public roads is expressly prohibited. The removal of carryout and trackout from paved public roads does not exempt an owner/operator from obtaining state or local agency permits which may be required for the cleanup of mud and dirt on paved public roads.

Condition 31 of permit unit S-1751-0-3 ensures compliance.

K. District Rule 8051 - Open Areas

The purpose of this rule is to limit fugitive dust emissions from open areas.

This rule applies to any open area having 3.0 acres or more of disturbed surface area that has remained undeveloped, unoccupied, unused, or vacant for more than seven days.

Section 5.0 requires that whenever open areas are disturbed or vehicles are used in open areas, the owner/operator shall implement one or a combination of control measures indicated in Table 8051-1 to comply with the conditions of a stabilized surface at all times and to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

Condition 32 of permit unit S-1751-0-3 ensures compliance.

L. District Rule 8061 - Paved and Unpaved Roads

The purpose of this rule is to limit fugitive dust emissions from paved and unpaved roads by implementing control measures and design criteria.

This rule applies to any new or existing public or private paved or unpaved road, road construction project, or road modification project.

Condition 33 of permit unit S-1751-0-3 ensures compliance.

M. District Rule 8071 - Unpaved Vehicle/Equipment Traffic Area

The purpose of this rule is to limit fugitive dust emissions from unpaved vehicle and equipment traffic areas by implementing control measures and design criteria.

This rule applies to any unpaved vehicle/equipment traffic area of 1.0 acre or larger.

Condition 34 of permit unit S-1751-0-3 ensures compliance.

N. 40 CFR Part 60 Subpart Da-Standard of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978

Subpart Da applies to each electric utility steam generating unit that is capable of combusting more than 73 megawatts (250 MMBtu/hr) heat input of fossil fuel (either alone or in combination with any other fuel); and for which construction, modification, or reconstruction is commenced after September 18, 1978.

This subpart was amended in January 28, 2009 to add compliance alternatives for owners/operators of certain affected sources, to eliminate the opacity standard for certain facilities voluntarily using PM CEMS, and to correct technical and editorial errors.

1. S-1751-3-16 – 36 MW Solid Fuel Fired Circulating Bed Combustor Cogeneration Unit (389 MMBtu/hr Combustor)

- Conditions 22, 23, 24, 27, 34, 38, 39, and 50 through 54 on the proposed permit ensure compliance with the requirements of this rule.

O. 40 CFR Part 60, Subpart IIII-Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

This subpart applies to owners and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commences construction, modify, or reconstruct their stationary CI ICE after July 11, 2005.

The facility does not have any CI ICE subject to this subpart.

P. 40 CFR Part 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

§60.4230 (a)(4) states that this subpart applies to owners and operators of stationary spark ignition (SI) internal combustion engines (ICE) that commences construction after June 12, 2006 where the stationary SI ICE are manufactured on or after January 1, 2009 for emergency engines with a maximum engine power greater than 19 kW (25 hp).

Permit unit S-1751-11-1 is a 147 bhp Generac rich-burn natural gas-fired emergency standby ICE that was manufactured before January 1, 2009.

Q. 40 CFR Part 61, Subpart M–National Emission Standard for Asbestos

These regulations apply to demolition or renovation activity, as defined in 40 CFR 61.141. 40 CFR Section 61.150 of this Subpart was amended September 18, 2003, and condition 35 of S-1751-0-3 assures compliance with the requirements.

R. 40 CFR Part 63, Subpart ZZZZ–National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

This subpart establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions.

The facility is not a major or area source of HAP emissions and is not subject to this subpart.

S. 40 CFR Part 64-CAM

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

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

1. S-1751-1-10 – Fuel Receiving and Storage Operation

This emissions unit emits only PM₁₀ and may be subject to CAM for PM₁₀, as there is a PM₁₀ limit and it does have add-on controls in the form of a fabric collector. However, as shown below, the pre-control potential to emit is less than the major source threshold of 140,000 lb-PM₁₀/year.

The controlled emission factor for this unit is 0.032 lb/hr. Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be $0.032/(1-0.99) = 3.2$ lb/hr. The maximum operating schedule for this unit is 300 hours/month.

$$300 \text{ hr/month} \times 3.2 \text{ lb-PM}_{10}/\text{hr} \times 12 \text{ months/year} = 11,520 \text{ lb-PM}_{10}/\text{year}$$

since this does not exceed the PM₁₀ major source threshold of 140,000 lb/year, CAM is not applicable to this unit.

2. S-1751-2-8 – Limestone Receiving and Storage Operation

This emissions unit emits only PM₁₀ and may be subject to CAM for PM₁₀, as there is a PM₁₀ limit and it does have add-on controls in the form of a fabric collector. However, as shown below, the pre-control potential to emit is less than the major source threshold of 140,000 lb-PM₁₀/year.

The controlled emission factor for this unit is 0.02 lb/hr. Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be $0.02/(1-0.99) = 2$ lb/hr. The maximum operating schedule for this unit is not limited and will be assumed to be 8760 hours/year.

$$8760 \text{ hrs/year} \times 2 \text{ lb-PM}_{10}/\text{hr} = 17,520 \text{ lb-PM}_{10}/\text{year}$$

since this does not exceed the PM₁₀ major source threshold of 140,000 lb/year, CAM is not applicable to this unit.

3. S-1751-3-16 – 36 MW Solid Fuel Fired Circulating Bed Combustor Cogeneration Unit (389 MMBtu/hr Combustor)

This emissions unit is not subject to CAM for CO and VOC since it is not equipped with any add-on controls for these pollutants. However, this emissions unit is subject to CAM for NO_x, SO₂ and PM₁₀ since there is a limit for each of these pollutants, the unit is equipped with add-on control devices for each pollutant (ammonia injection system, limestone injection system, and fabric filter respectively), and the unit has a pre-control

potential to emit of greater than the major source thresholds for each of these pollutants as shown below.

NO_x:

The controlled NO_x emission factor for this unit is 38.9 lb/hr. Assuming a 70% control efficiency provided by the thermal DeNO_x operation in the fluidized bed, the uncontrolled emission factor will be $38.9/(1-0.70) = 129.7$ lb/hr. The maximum operating schedule for this unit is 8,760 hours/year.

$$8,760 \text{ hr/year} \times 129.7 \text{ lb NO}_x/\text{hr} = 1.14 \times 10^6 \text{ lbs NO}_x/\text{year}$$

Since this exceeds the NO_x major source threshold of 50,000 lb/year, CAM is applicable to this unit for NO_x.

SO_x:

The controlled SO_x emission factor for this unit is 15.47 lb/hr. Assuming a 90% control efficiency provided by the limestone desulfurization operation in the fluidized bed, the uncontrolled emission factor will be $15.47/(1-0.90) = 154.7$ lb/hr. The maximum operating schedule for this unit is 8,760 hours/year.

$$8,760 \text{ hr/year} \times 154.7 \text{ lb SO}_x/\text{hr} = 1.36 \times 10^6 \text{ lbs SO}_x/\text{year}$$

Since this exceeds the SO_x major source threshold of 140,000 lb/year, CAM is applicable to this unit for SO_x.

PM₁₀:

The controlled PM₁₀ emission factor for this unit is 4.31 lb/hr. Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be $4.31/(1-.99) = 431$ lb/hr. The maximum operating schedule for this unit is 8,760 hours/year.

$$8,760 \text{ hr/year} \times 431 \text{ lb PM}_{10}/\text{hr} = 3.78 \times 10^6 \text{ lbs PM}_{10}/\text{year}$$

Since this exceeds the PM₁₀ major source threshold of 140,000 lb/year, CAM is applicable to this unit for PM₁₀.

§64.3 - Monitoring Design Criteria

This section specifies the design criteria for the CAM system. Paragraph (a) (*General criteria*) requires that the CAM system be designed to obtain data for one or more appropriate indicators of emission control system performance and requires the owner to establish appropriate ranges or designated conditions for the selected indicators such that operation within the ranges provides a reasonable assurance of ongoing compliance with emission limitations or standards for the anticipated range of operating conditions.

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

- Specifications to ensure that representative data are collected
- Verification procedures for startup of new monitoring equipment
- Quality assurance and control practices to ensure continuing validity of data
- Data collection frequency and procedures

Paragraph (c) (*Evaluation factors*) requires the owner or operator to take into account site specific factors in the design of the CAM system.

Paragraph (d) (*Special criteria for the use of continuous emission, opacity, or predictive monitoring systems*) requires the owner or operator to use a continuous emission monitoring system (CEMS), continuous opacity monitoring system (COMS), or a predictive emission monitoring system (PEMS) to satisfy CAM requirements, provided that these monitoring systems are required pursuant to other authority under the Clean Air Act or state or local law. This subsection also stipulates the following:

- The use of a CEMS, COMS, or PEMS that satisfies any of the following monitoring requirements shall be deemed to satisfy the general design criteria in paragraphs (a) and (b) of this section, provided that a COMS may be subject to the criteria for establishing indicator ranges under paragraph (a) of this section:
 - (i) Section 51.214 and appendix P of 40 CFR 51;
 - (ii) Section 60.13 and appendix B of 40 CFR 60;
 - (iii) Section 63.8 and any applicable performance specifications required pursuant to the applicable subpart of 40 CFR 63;
 - (iv) 40 CFR 75;
 - (v) Subpart H and appendix IX of 40 CFR 266; or

(vi) In the event that the monitoring system is not subject to any of the requirements listed above, comparable requirements and specifications established by the permitting authority.

- The owner or operator shall design the monitoring system subject to this paragraph (d) to:
 - (i) Allow for reporting of exceedances (or excursions if applicable to a COMS used to assure compliance with a particulate matter standard), consistent with any period for reporting of exceedances in an underlying requirement. If an underlying requirement does not contain a provision for establishing an averaging period for the reporting of exceedances or excursions, the criteria used to develop an averaging period specified in the data collection procedures required under paragraph (b) of this section shall apply; and
 - (ii) Provide an indicator range consistent with paragraph (a) of this section for a COMS used to assure compliance with a particulate matter standard. If an opacity standard applies to the pollutant-specific emissions unit, such limit may be used as the appropriate indicator range unless the opacity limit fails to meet the criteria in paragraph (a) of this section after considering the type of control device and other site-specific factors applicable to the pollutant-specific emissions unit.

Permit unit S-1751-3 will implement the requirements of CAM for the fluidized bed combustor by monitoring NO_x and SO_x emissions utilizing a CEMS pursuant to §64.3, paragraph (d) and by monitoring PM₁₀ emissions using a COMS as a surrogate with monitoring of the baghouse differential pressure to provide supplemental indication of PM₁₀ emission control performance. The monitoring design criteria of §64.3 are satisfied by proposed conditions 39 and 40 through 49.

Proposed condition 42 is revised to establish the baghouse operating pressure differential range from a minimum of 0.5 inches water column and a maximum of 7.5 inches water column.

4. S-1751-4-4 – Sand Receiving and Storage Operation

This emission unit emits only PM₁₀ and may be subject to CAM for PM₁₀, as there is a PM₁₀ limit, and it does have add-on controls in the form of a fabric collector. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds PM₁₀/year.

The controlled emission factor for this unit is 0.141 lb/hr. Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be $0.141/(1-0.99) = 14.1$ lb/hr. The maximum operating schedule for this unit is 48 hours/month.

$48 \text{ hr/month} \times 14.1 \text{ lb PM}_{10}/\text{hr} \times 12 \text{ months/year} = 8,122 \text{ lbs PM}_{10}/\text{year}$

Since this does not exceed the PM_{10} major source threshold of 140,000 lb/year, CAM is not applicable to this unit.

5. S-1751-5-10 – Ash Handling and Loadout Operation

This emissions unit emits only PM_{10} and may be subject to CAM for PM_{10} , as there is a PM_{10} limit, and it does have add-on controls in the form of a fabric collector. However, as shown below, the pre-control potential to emit is not greater than the major source threshold of 140,000 pounds $\text{PM}_{10}/\text{year}$.

The controlled emission factor for this unit is 0.01 lb/day. Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be $0.01/(1-0.99) = 1.0$ lb/day. The maximum operating schedule for this unit is 365 days/year.

$365 \text{ days/year} \times 1.0 \text{ lb PM}_{10}/\text{day} = 365 \text{ lbs PM}_{10}/\text{year}$

Since this does not exceed the PM_{10} major source threshold of 140,000 lb/year, CAM is not applicable to this unit.

6. S-1751-6-6, -7-4 and -9-6 – Emergency Diesel-Fired Standby Engines

These emissions units are not subject to CAM because they do not have any add-on controls.

7. S-1751-8-7 – Induced Draft Cooling Tower

This emissions unit is not subject to CAM because it does not have any add-on controls.

8. S-1751-10-2 – Coke Storage Silo

This emissions unit emits only PM_{10} and may be subject to CAM for PM_{10} , as there is a PM_{10} limit, and it does have add-on controls in the form of a fabric collector. However, as shown below, the pre-control potential to

emit is not greater than the major source threshold of 140,000 pounds PM₁₀/year.

The controlled emission factor for this unit is 0.02 gr/scf or 0.038 lb-PM₁₀/day (Project #S-1044268). Assuming a 99% control efficiency provided by the fabric filter, the uncontrolled emission factor will be $0.038/(1-0.99) = 3.8$ lb/day. The maximum operating schedule for this unit is 365 days/year.

$$365 \text{ days/year} \times 3.8 \text{ lb-PM}_{10}/\text{day} = 1,387 \text{ lb-PM}_{10}/\text{year}$$

Since this does not exceed the PM₁₀ major source threshold of 140,000 lb/year, CAM is not applicable to this unit.

9. S-1751-11-1 – 147 bhp Generac Natural Gas-Fired Emergency Standby IC Engine with Selective Catalytic Reduction

This emissions unit emits NO_x, SO_x, PM₁₀, CO, and VOC. It is not subject to CAM for SO_x and PM₁₀ since it does not have add-on controls for these pollutants. It may be subject to CAM for NO_x, CO, and VOC as there are NO_x, CO, and VOC limits and have add on control in the form of a non-selective catalytic reduction (NSCR). However, as shown below, the pre-control potential to emit for NO_x, CO, and VOC are not greater than the major source thresholds of 50,000 lb-NO_x/year, 200,000 lb-CO/yr, and 50,000 lb-VOC/yr.

From Project #S-1081202, the catalyst control efficiencies are 90% for NO_x, 80% for CO, and 50% for VOC. Also in the same project, the calculated controlled annual post-project emissions with the unit limited to 100 hours per year are 0 lb-NO_x/yr, 25 lb-CO/yr, and 24 lb-VOC/yr.

Using the catalyst control efficiencies for NO_x, CO, and VOC, the uncontrolled emissions are as follows.

$$\begin{aligned} \text{NO}_x &= 0/(1-0.9) = 0 \text{ lb-NO}_x/\text{yr} \\ \text{CO} &= 25/(1-0.8) = 125 \text{ lb-CO/yr} \\ \text{VOC} &= 24/(1-0.5) = 48 \text{ lb-VOC/yr} \end{aligned}$$

Since the uncontrolled emissions do not exceed the NO_x, CO, and VOC major source thresholds, CAM is not applicable to this unit.

T. 40 CFR Part 82, Subpart B and F--Stratospheric Ozone

These regulations apply to servicing motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC). Sections of this regulation were amended in 2004 and 2008, and conditions 27 and 28 of S-1751-0-3 assure compliance with the requirements.

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

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

B. Obsolete Permit Shields From Existing Permit Requirements

The current permits did not contain any permit shields.

X. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

XI. ATTACHMENTS

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

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: S-1751-0-3

EXPIRATION DATE: 01/31/2010

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; Kern County Rule 111; and PSD SJ 85-07] 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; Kern County Rule 111; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 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 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: RIO BRAVO JASMIN
Location: 11258 PORTERVILLE HWY, BAKERSFIELD, CA 93308
S-1751-0-3; Aug 23 2010 9:25AM - SIONGCOJ

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 and 40 CFR 60.52Da] Federally Enforceable Through Title V Permit
10. {4371} The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. {4372} Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. 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 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
13. {4374} It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. {4375} The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. {4376} The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. {4377} The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. {4378} The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. 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 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA 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 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA 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 and PSD SJ 85-07] Federally Enforceable Through Title V Permit

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

22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101] Federally Enforceable Through Title V Permit
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] 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.

35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. 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 SJ 85-07] Federally Enforceable Through Title V Permit
40. 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 SJ 85-07] Federally Enforceable Through Title V Permit
41. 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 SJ 85-07] Federally Enforceable Through Title V Permit
42. Should additional guidance related to the June 3, 1986 PSD remand be developed, Rio Bravo shall provide to EPA any such analysis, data or demonstration of compliance with other requirements within the time required by such guidance. [PSD SJ 85-07] Federally Enforceable Through Title V Permit
43. 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 SJ 85-07] Federally Enforceable Through Title V Permit
44. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
45. All permits issued to Rio Bravo Poso (S-883) and Rio Bravo Jasmin (S- 1751) are included in the same heavy oil central stationary source. [District NSR Rule] Federally Enforceable Through Title V Permit
46. 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
47. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin April 28th of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of 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-1751-1-10

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

FUEL RECEIVING AND STORAGE OPERATION INCLUDING ENCLOSED TRUCK RECEIVING STATION WITH WATER/SURFACTANT SPRAY SYSTEM, TWO FUEL SILOS WITH FABRIC COLLECTORS, AND ENCLOSED UNDERHOPPER CONVEYOR - JASMIN FIELD

PERMIT UNIT REQUIREMENTS

1. Two 30 ft. diam. by 80 ft. tall fuel storage silos shall each vent to a fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Coal/petroleum coke truck receiving shall be fully enclosed during entire fuel unloading operation. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Visible emissions shall not exceed 1/4 Ringelmann or equivalent 5% opacity at any time from truck receiving hopper enclosure, fuel conveyors, conveyor transfer points, fuel storage silos or any fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Coal/coke shall not be received, conveyed, or transferred into storage silos unless ventilation systems and fabric collectors are operating. [District NSR Rule] Federally Enforceable Through Title V Permit
5. All collected fines shall be returned to the fuel system. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Coal/coke receiving shall not operate more than 300 hours per month. [District NSR Rule] Federally Enforceable Through Title V Permit
7. PM₁₀ emissions rate from both fuel silo fabric collectors shall not exceed 0.032 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. All roadways, driveways, and vehicular work areas shall be surfaced with slow cure asphalt paving. [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, 9.2.2] Federally Enforceable Through Title V Permit
11. Visible emissions from storage silo 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, 9.2.2] 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, 9.3.2] 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. The records of hours of operation of fuel receiving system shall be maintained on monthly basis. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-2-8

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

LIMESTONE RECEIVING AND STORAGE OPERATION INCLUDING ONE PNEUMATICALLY FILLED STORAGE SILO WITH FABRIC COLLECTOR - JASMIN FIELD

EXPIRATION DATE: 01/31/2010

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PERMIT UNIT REQUIREMENTS

1. Limestone shall not be transferred into silo unless fabric collectors are operating. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Collected fines shall be returned to limestone system. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Silo fabric collector particulate matter (PM-10) emission rate shall not exceed 0.02 lb/hr and 0.0033 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Visible emissions from the dust collector serving the limestone unloading operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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, 9.3.2] Federally Enforceable Through Title V Permit
8. 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, 9.3.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-3-16

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

36 MW SOLID FUEL FIRED, CIRCULATING BED COMBUSTOR COGENERATION UNIT INCLUDING 389 MMBTU/HR COMBUSTOR WITH LOW-TEMPERATURE STAGED COMBUSTION, AMMONIA INJECTION, AND PULVERIZED LIMESTONE INJECTION - JASMIN FIELD

PERMIT UNIT REQUIREMENTS

1. Permittee shall comply in full with all applicable Rule 4001 requirements (New Source Performance Standards, 40 CFR, Part 60, Subpart Da). [District Rule 4001] Federally Enforceable Through Title V Permit
2. Fuel collecting conveyor, two fuel crushers, two bucket elevators, two boiler feed conveyors, fuel feed bin, fuel feeder, and limestone conveyor/feeder shall be totally enclosed and ventilated to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall be equipped with pneumatic limestone feed system. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operation shall be equipped with primary and secondary combustion air blowers and air preheater with ash hopper. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Operation shall be equipped with fabric collector with ash hopper serving fuel/limestone handling equipment and combustor. [District NSR Rule] Federally Enforceable Through Title V Permit
6. 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; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
7. Combustor shall be fired only on coal or petroleum coke. Propane or natural gas may be used as start-up fuel. [District NSR Rule] Federally Enforceable Through Title V Permit
8. No more than 835,520 lb (on a dry basis) of solid fuel per day of no more than 4.0% by weight sulfur shall be introduced into the combustor. [District NSR Rule and PSD SJ 85-07] Federally Enforceable Through Title V Permit
9. Limestone shall be capable of being directly injected into the combustor at a minimum of 0.042 lb limestone per lb of fuel introduced into the combustor. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Peak temperature of combustor shall not exceed 1800 degrees F. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Unit shall be operated as staged-combustion device by introducing sub-stoichiometric amount of combustion air in primary combustion zone. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Ash shall be removed from combustion system only by means authorized by ash handling and loadout operation (Permit No. S-1751-5). [District NSR Rule] Federally Enforceable Through Title V Permit
13. Fuel feed and combustion air supply shall be automatically shutdown whenever fabric collector is shutdown. [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. Visible emissions shall not exceed 1/4 Ringelmann or equivalent 5% opacity at any time from fuel conveyors, crusher, feed bin, and feeder. [District NSR Rule] Federally Enforceable Through Title V Permit
15. All combustor exhaust gas shall pass through fabric collector prior to emission to atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Ammonia injection system shall be capable of delivering at least 2.0 moles of NH₃ for each mole of NO_x. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Soot-blowing shall not result in visible emissions of greater than Ringelmann 1 or equivalent 20% opacity, excluding uncombined water vapor, except for aggregate periods of less than 3 minutes in any one hour period. [District Rule 4101] Federally Enforceable Through Title V Permit
18. At least 5% of annual energy output shall be in the form of useful thermal energy which shall be used for thermally enhanced oil recovery in the Heavy Oil Central Stationary Source. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Permittee shall maintain accurate daily records of energy output and useful thermal energy output and shall annually demonstrate compliance with minimum percentage requirement for thermal energy output set forth above. [District Rule 1070, 4.0] Federally Enforceable Through Title V Permit
20. Combustor start-up is defined as any period, not exceeding 96 hours, during which the combustor is set in operation and heated from a lower temperature to a steady state operating temperature. [District Rule 4352, 3.13] Federally Enforceable Through Title V Permit
21. Combustor shutdown is defined as any period, not exceeding 6 hours, during which the combustor is cooled from its steady state operating temperature to a lower temperature followed by cessation of operation within the 6 hour period. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Particulate matter (PM-10) emission rate shall not exceed 4.31 lb/hr, 0.0111 lb/MMBtu and 0.007 grains/dscf. [District NSR Rule and 40 CFR 60.42Da (a)(1), (2)] Federally Enforceable Through Title V Permit
23. Except during periods of combustor start-up and shutdown, sulfur oxide emissions (as SO₂) shall not exceed 15.47 lb/hr and 0.0398 lb/MM Btu. [District NSR Rule and 40 CFR 60.43 (a)(2)] Federally Enforceable Through Title V Permit
24. Except during periods of startup or shutdown, sulfur dioxide emissions shall not exceed 30% of the potential combustion concentration (70% reduction in potential emissions of sulfur dioxide based on sulfur analysis of "as-fired" fuel). [40 CFR 60.43(a)(2)] Federally Enforceable Through Title V Permit
25. During periods of combustor start-up and shutdown, sulfur oxide emissions (as SO₂) shall not exceed 0.11 lb/MMBtu, calculated on a daily basis. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Sulfur oxide emissions (as SO₂) shall not exceed the following quarterly amounts: 1st Qtr., 33,415 lb; 2nd Qtr., 33,786 lb; 3rd Qtr., 34,158 lb; and 4th Qtr., 34,158 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Except during periods of combustor start-up and shutdown, nitrogen oxides emissions (as NO₂) shall not exceed 38.90 lb/hr and 0.1000 lb/MMBtu. [District NSR Rule and 40 CFR 60.44 (a)(1), (2)] Federally Enforceable Through Title V Permit
28. During periods of combustor start-up and shutdown, nitrogen oxide emissions (as NO₂) shall not exceed 0.20 lb/MMBtu, calculated on a daily basis. [District NSR Rule] Federally Enforceable Through Title V Permit
29. Nitrogen oxide emissions (as NO₂) shall not exceed the following quarterly amounts: 1st Qtr., 84,024 lb; 2nd Qtr., 84,958 lb; 3rd Qtr., 85,891 lb; and 4th Qtr., 85,891 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
30. Volatile organic compound (VOC) emission rate shall not exceed 6.03 lb/hr and 0.0155 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
31. Carbon monoxide (CO) emission rate shall not exceed 105.10 lb/hr (3-hour average) and 0.2701 lb/MMBtu. [District NSR Rule and PSD SJ 85-07] Federally Enforceable Through Title V Permit

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

32. Performance testing shall be conducted annually for NO_x, SO_x, CO, VOCs, and PM(10) at the maximum operating capacity using following test methods; for NO_x EPA Methods 1-4 and 7 or ARB Method 100; for SO_x EPA Methods 1-4 and 8 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for VOCs EPA Method 25 or 18; and for PM(10) EPA Method 201A in combination with EPA Method 202. [District Rule 4352, 6.4; District Rule 2520, 9.3.2; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
33. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
34. 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; 40 CFR 60.51Da (a); and PSD SJ 85-07] Federally Enforceable Through Title V Permit
35. Quarterly, start-up, and shutdown NO_x and SO_x emissions shall be measured by maintaining CEM, fuel use and fuel Btu content records, and such records shall be made available for District inspection upon request. [District Rule 1070, 4.0] Federally Enforceable Through Title V Permit
36. Permittee shall maintain an operating log containing type and quantity of fuel used and higher heating value of such fuels on daily basis. [District NSR Rule; District Rule 4352, 6.2; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
37. All wells producing from strata steamed by this unit shall be connected to a District approved emissions control system, have District approved closed casing vents, or be District approved uncontrolled cyclic wells. [District NSR Rule] Federally Enforceable Through Title V Permit
38. Sulfur content of each type of fuel shall be measured and recorded on monthly basis using current ASTM Methods or shall be certified by supplier for each shipment. [District Rule 2520, 9.3.2; 40 CFR 60.49Da (b); and PSD SJ 85-07] Federally Enforceable Through Title V Permit
39. Operator shall install, operate, and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; and exhaust gas opacity, NO_x, SO₂, and O₂ (or CO) concentrations. [District NSR Rule; District Rule 1080, 4.0; 40 CFR 60.49Da (a), (b), (c), (d), (e); 40 CFR 64.3; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
40. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60 (60.13, Appendix B, and Appendix F); and 40 CFR 51 (51.214 and Appendix P), or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rule 1080, 6.5; 40 CFR 64.3; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
41. The baghouse shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit
42. The baghouse shall operate at all times with a minimum differential pressure of 0.5 inches water column and a maximum differential pressure of 7.5 inches water column. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
43. Upon detecting any excursion from the acceptable range of differential pressure readings, the Permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR 64.7] Federally Enforceable Through Title V Permit
44. The permittee shall maintain daily average records of the differential pressure across the baghouse filter. [40 CFR 64.9] Federally Enforceable Through Title V Permit
45. If the daily average baghouse differential pressure is not within the acceptable established range for two consecutive days, permittee shall notify the APCO of such exceedance within 96 hours. [40 CFR 64.3] Federally Enforceable Through Title V Permit
46. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR 64.7] Federally Enforceable Through Title V Permit

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

47. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
48. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
49. Operator shall install, operate, and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR 64.3; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
50. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2; and 40 CFR 64.9] Federally Enforceable Through Title V Permit
51. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3; 40 CFR 60.52Da (a); 40 CFR 64.9; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
52. The permittee shall maintain hourly, daily, and 30-day rolling average records of NO_x and SO_x emissions and of the percentage SO_x reduction. [40 CFR 60.48Da (f), (g), 60.43Da (a), 60.51Da (b); and 40 CFR 64.9] Federally Enforceable Through Title V Permit
53. The permittee shall obtain emission data from the CEMS for at least 18 hours in at least 22 out of 30 successive boiler operating days for compliance determination. If this minimum data requirement can not be met with the CEMS, the permittee shall supplement the emission data with other monitoring systems approved by the APCO or with the reference methods and procedures described in 40 CFR 60.49(h). [40 CFR 60.49Da(f); and 40 CFR 64.7] Federally Enforceable Through Title V Permit
54. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; 40 CFR 60.51Da (a); 40 CFR 64.9; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
55. 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, 9.4.1; Rule 1080, 8.0; 40 CFR 64.9; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
56. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. Excess emissions shall be defined as any three-hour period during which emissions of SO_x or NO_x as measured by CEM system exceeds the SO_x and NO_x maximum emission limits set forth for each the pollutants in this permit. [District Rule 1080, 9.0; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
57. 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
58. Permittee shall not discharge or cause the discharge into the atmosphere SO₂ in excess of the more stringent of 14.0 lb/hr or 20 ppm at 3% O₂ (3-hour average) from stack venting from the combustion unit except during periods of startup and shutdown. [PSD ATC SJ 85-07] Federally Enforceable Through Title V Permit
59. Permittee shall not discharge or cause the discharge into the atmosphere NO_x in excess of the more stringent of 38.9 lb/hr or 78 ppm at 3% O₂ (3-hour average) from stack venting from the combustion unit except during periods of startup and shutdown. [PSD ATC SJ 85-07] 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.

60. During startup or shutdown, permittee shall not discharge or cause the discharge into the atmosphere SO₂ in excess of 0.11 lb/MMBtu averaged over a 24-hour period. [PSD SJ 85-07] Federally Enforceable Through Title V Permit
61. During startup and shutdown, permittee shall not discharge or cause the discharge into the atmosphere NO_x in excess of 0.20 lb/MMBtu averaged over a 24-hour period. [PSD SJ 85-07] Federally Enforceable Through Title V Permit
62. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
63. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
64. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-4-4

EXPIRATION DATE: 01/31/2010

SECTION: NE22 TOWNSHIP: 25S RANGE: 27E

EQUIPMENT DESCRIPTION:

SAND RECEIVING AND STORAGE OPERATION INCLUDING ONE PNEUMATICALLY-FILLED STORAGE SILO WITH FABRIC COLLECTOR

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall not exceed 1/4 Ringelmann or equivalent 5% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Sand shall not be transferred into silo unless fabric filter baghouse is operating and functioning properly. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Collected fines shall be returned to sand system. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Sand receiving shall not exceed 48 hr/month. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Silo fabric filter baghouse particulate matter (PM-10) emission rate shall not exceed 0.141 lb/hr and 0.02 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
6. 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
7. 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
8. 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, 9.3.2] Federally Enforceable Through Title V Permit
9. 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, 9.3.2] Federally Enforceable Through Title V Permit
10. The records of hours of operation of sand receiving system shall be maintained on monthly basis. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-5-10

EXPIRATION DATE: 01/31/2010

SECTION: NE22 TOWNSHIP: 25S RANGE: 27E

EQUIPMENT DESCRIPTION:

ASH HANDLING AND LOADOUT OPERATION INCLUDING ENCLOSED CONVEYING SYSTEM FROM COMBUSTOR AND FABRIC COLLECTION HOPPERS, ASH STORAGE SILO VENTED TO FABRIC COLLECTOR, AND WET LOADOUT BY ENCLOSED PUG MILL OR DRY LOADOUT BY COAXIAL SPOUT

PERMIT UNIT REQUIREMENTS

1. Ash 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 have maximum air-to-cloth ratio of 4.5 cfm/sq. ft. filter area. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Fabric collector shall be equipped with automatically activated reverse pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Fabric collector shall be equipped with operational differential pressure indicator, one for each compartment. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Fabric collector shall be equipped with dust-tight provisions to return collected material to ash silo. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Ash shall be sufficiently wetted to prevent visible emissions (as defined in Rule 4101) during loadout. [District Rule 4101] Federally Enforceable Through Title V Permit
7. Dry ash shall be loaded through co-axial telescoping spout vented to fabric collector such that visible emissions as defined in Rule 4101 are prevented. [District Rule 4101] Federally Enforceable Through Title V Permit
8. Trucks shall be completely covered by tarps before being moved. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Ash shall not be transferred into silo or loaded into trucks unless fabric collector is operating. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Particulate matter (PM-10) emission rate (fabric collector exhaust and fugitive emissions) shall not exceed 0.01 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
11. 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
12. 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
13. Visible emissions from storage silo 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, 9.3.2] 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. 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, 9.3.2] Federally Enforceable Through Title V Permit

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

Facility Name: RIO BRAVO JASMIN

Location: 11258 PORTERVILLE HWY, BAKERSFIELD, CA 93308

S-1751-5-10: Aug 23 2010 9:25AM - SIONGCOJ

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-6-6

EXPIRATION DATE: 01/31/2010

SECTION: NE22 TOWNSHIP: 25S RANGE: 27E

EQUIPMENT DESCRIPTION:

195 BHP DETROIT DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. The engine shall be equipped with a non-resettable elapsed-time meter indicating total hours of operation. [District NSR Rule and 4702] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with a turbocharger and with an aftercooler or intercooler. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. 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
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule and Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
7. 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
8. 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
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] 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-1751-7-4

EXPIRATION DATE: 01/31/2010

SECTION: NE22 TOWNSHIP: 25S RANGE: 27E

EQUIPMENT DESCRIPTION:

112 BHP WAUKESHA DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FEEDWATER PUMP

PERMIT UNIT REQUIREMENTS

1. The engine shall be equipped with a non-resettable elapsed-time meter indicating total hours of operation. [District NSR Rule and 4702] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with a turbocharger and with an aftercooler or intercooler. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. 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
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule and Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. 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] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District NSR Rule, 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, 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
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] 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-1751-8-7

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

23,150 GPM INDUCED DRAFT COOLING TOWER

DRAFT

PERMIT UNIT REQUIREMENTS

1. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]
2. Cooling tower drift shall not exceed 0.005%. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Total dissolved solids (TDS) in cooling tower water shall not exceed 4 g/l. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Recirculating water flow rate shall not exceed 23,150 gallons per minute. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Compliance with TDS limit shall be determined by cooling water sample analysis by independent laboratory on a monthly basis. [District Rule 1081] Federally Enforceable Through Title V Permit
6. Records of the cooling tower recirculating water flow rate and cooling tower water TDS shall be kept at the facility and made readily available for District inspection upon request for 5 years. [District NSR Rule] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-9-6

EXPIRATION DATE: 01/31/2010

SECTION: NE22 TOWNSHIP: 25S RANGE: 27E

EQUIPMENT DESCRIPTION:

435 BHP CUMMINS MODEL NTA-855 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN AIR COMPRESSOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.2.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. {1898} 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]
5. This IC engine shall be equipped with a catalytic particulate filter. [District NSR Rule and 4102] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule, 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 7.9 g-NOx/bhp-hr, 0.8 g-CO/bhp-hr, or 0.31 g-VOC/bhp-hr. [District NSR Rule, 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.075 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District NSR Rule, 4102, 13 CCR 2423, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per year. [District Rule 4702, 5.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 5.7.2] Federally Enforceable Through Title V Permit
11. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702, 5.7.3] Federally Enforceable Through Title V Permit

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

12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 6.2.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
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, 6.2.3 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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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-10-2

EXPIRATION DATE: 01/31/2010

EQUIPMENT DESCRIPTION:

450 TON (15,000 FT3) COKE STORAGE SILO EQUIPPED WITH BHA MODEL SPJ-24-X4B8BV VENT FILTER BAGHOUSE, LOADING AND UNLOADING PNEUMATIC CONVEYOR SYSTEMS

PERMIT UNIT REQUIREMENTS

1. Coke storage silo loading rate from trucks shall not exceed 240 tons/day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Concentration of PM10 in coke storage silo baghouse exhaust shall not exceed 0.02 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
3. There shall be no visible emissions during unloading of coke from silo to boiler. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse shall be equipped with an operational pressure differential gauge, mounted in an accessible location, which indicates the pressure drop across the bags. [District NSR Rule] Federally Enforceable Through Title V Permit
5. No air contaminant shall be discharged into the atmosphere from coke storage silo baghouse exhaust for a period or periods aggregating more than 3 minutes in any one hour which is dark or darker than Ringelmann 1/4 or equivalent to 5% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Daily records of coke storage silo loading rate in tons/day shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule and Rule 1070] 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-1751-11-1

EXPIRATION DATE: 01/31/2010

EQUIPMENT DESCRIPTION:

147 BHP GENERAC MODEL V TYPE RICH-BURN NATURAL GAS-FIRED EMERGENCY STANDBY IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
3. Emissions from this IC engine shall not exceed any of the following limits: 0.01 g-NOx/bhp-hr, 0.063 g-PM10/bhp-hr, 0.78 g-CO/bhp-hr, or 0.75 g-VOC/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. This IC engine shall be equipped with a three-way catalyst and shall be fired on natural gas fuel only. [District NSR Rule] Federally Enforceable Through Title V Permit
6. 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] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit
12. 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] 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



Permit to Operate

FACILITY: S-1751

EXPIRATION DATE: 01/31/2010

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

RIO BRAVO JASMIN
P. O. BOX 81077
BAKERSFIELD, CA 93380

FACILITY LOCATION:

11258 PORTERVILLE HWY
BAKERSFIELD, CA 93308

FACILITY DESCRIPTION:

ELECTRIC SERVICES

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.

Sayed Sadredin
Executive Director / APCO

David Warner
Director of Permit Services

San Joaquin Valley Air Pollution Control District

FACILITY: S-1751-0-2

EXPIRATION DATE: 01/31/2010

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; Kern County Rule 111; and PSD SJ 85-07] 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; Kern County Rule 111; and PSD SJ 85-07] 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. [District Rules 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 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (Permits Required) 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 five 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 and 40 CFR 60.52Da] 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: RIO BRAVO JASMIN
Location: 11258 PORTERVILLE HWY, BAKERSFIELD, CA 93308
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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 and PSD SJ 85-07] 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, the ARB, or EPA 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 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA 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 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3 and PSD SJ 85-07] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District, the ARB, or EPA 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 and PSD SJ 85-07] 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, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. 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 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 (11/15/01) or Rule 8011 (11/15/01). [District Rules 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 Rules 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 Rules 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 Rules 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 Rules 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 Rules 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 permit shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. 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 SJ 85-07] Federally Enforceable Through Title V Permit
40. 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 SJ 85-07] Federally Enforceable Through Title V Permit
41. 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 SJ 85-07] Federally Enforceable Through Title V Permit
42. Should additional guidance related to the June 3, 1986 PSD remand be developed, Rio Bravo shall provide to EPA any such analysis, data or demonstration of compliance with other requirements within the time required by such guidance. [PSD SJ 85-07] Federally Enforceable Through Title V Permit
43. 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 SJ 85-07] Federally Enforceable Through Title V Permit
44. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
45. All permits issued to Rio Bravo Poso (S-883) and Rio Bravo Jasmin (S- 1751) are included in the same heavy oil central stationary source. [District NSR Rule] Federally Enforceable Through Title V Permit
46. 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
47. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin April 28th of each year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of 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-1751-1-9

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

FUEL RECEIVING AND STORAGE OPERATION INCLUDING ENCLOSED TRUCK RECEIVING STATION WITH WATER/SURFACTANT SPRAY SYSTEM, TWO FUEL SILOS WITH FABRIC COLLECTORS, AND ENCLOSED UNDERHOPPER CONVEYOR - JASMIN FIELD

PERMIT UNIT REQUIREMENTS

1. Two 30 ft. diam. by 80 ft. tall fuel storage silos shall each vent to a fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Coal/petroleum coke truck receiving shall be fully enclosed during entire fuel unloading operation. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Visible emissions shall not exceed 1/4 Ringelmann or equivalent 5% opacity at any time from truck receiving hopper enclosure, fuel conveyors, conveyor transfer points, fuel storage silos or any fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Coal/coke shall not be received, conveyed, or transferred into storage silos unless ventilation systems and fabric collectors are operating. [District NSR Rule] Federally Enforceable Through Title V Permit
5. All collected fines shall be returned to the fuel system. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Coal/coke receiving shall not operate more than 300 hours per month. [District NSR Rule] Federally Enforceable Through Title V Permit
7. PM10 emissions rate from both fuel silo fabric collectors shall not exceed 0.032 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
8. All roadways, driveways, and vehicular work areas shall be surfaced with slow cure asphalt paving. [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, 9.2.2] Federally Enforceable Through Title V Permit
11. Visible emissions from storage silo 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, 9.2.2] 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, 9.3.2] 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. The records of hours of operation of fuel receiving system shall be maintained on monthly basis. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-2-7

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

LIMESTONE RECEIVING AND STORAGE OPERATION INCLUDING ONE PNEUMATICALLY FILLED STORAGE SILO WITH FABRIC COLLECTOR - JASMIN FIELD

PERMIT UNIT REQUIREMENTS

1. Limestone shall not be transferred into silo unless fabric collectors are operating. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Collected fines shall be returned to limestone system. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Silo fabric collector particulate matter (PM-10) emission rate shall not exceed 0.02 lb/hr and 0.0033 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Visible emissions from the dust collector serving the limestone unloading operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in one hour. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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
8. 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-1751-3-13

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

36 MW SOLID FUEL FIRED, CIRCULATING BED COMBUSTOR COGENERATION UNIT INCLUDING 389 MMBTU/HR COMBUSTOR WITH LOW-TEMPERATURE STAGED COMBUSTION, AMMONIA INJECTION, AND PULVERIZED LIMESTONE INJECTION - JASMIN FIELD

PERMIT UNIT REQUIREMENTS

1. Permittee shall comply in full with all applicable Rule 4001 requirements (New Source Performance Standards, 40 CFR, Part 60, Subpart Da). [District Rule 4001] Federally Enforceable Through Title V Permit
2. Fuel collecting conveyor, two fuel crushers, two bucket elevators, two boiler feed conveyors, fuel feed bin, fuel feeder, and limestone conveyor/feeder shall be totally enclosed and ventilated to fabric collector. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Operation shall be equipped with pneumatic limestone feed system. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Operation shall be equipped with primary and secondary combustion air blowers and air preheater with ash hopper. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Operation shall be equipped with fabric collector with ash hopper serving fuel/limestone handling equipment and combustor. [District NSR Rule] Federally Enforceable Through Title V Permit
6. 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; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
7. Combustor shall be fired only on coal or petroleum coke. Propane or natural gas may be used as start-up fuel. [District NSR Rule] Federally Enforceable Through Title V Permit
8. No more than 835,520 lb (on a dry basis) of solid fuel per day of no more than 4.0% by weight sulfur shall be introduced into the combustor. [District NSR Rule and PSD SJ 85-07] Federally Enforceable Through Title V Permit
9. Limestone shall be capable of being directly injected into the combustor at a minimum of 0.042 lb limestone per lb of fuel introduced into the combustor. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Peak temperature of combustor shall not exceed 1800 degrees F. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Unit shall be operated as staged-combustion device by introducing sub-stoichiometric amount of combustion air in primary combustion zone. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Ash shall be removed from combustion system only by means authorized by ash handling and loadout operation (Permit No. S-1751-5). [District NSR Rule] Federally Enforceable Through Title V Permit
13. Fuel feed and combustion air supply shall be automatically shutdown whenever fabric collector is shutdown. [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. Visible emissions shall not exceed 1/4 Ringelmann or equivalent 5% opacity at any time from fuel conveyors, crusher, feed bin, and feeder. [District NSR Rule] Federally Enforceable Through Title V Permit
15. All combustor exhaust gas shall pass through fabric collector prior to emission to atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Ammonia injection system shall be capable of delivering at least 2.0 moles of NH₃ for each mole of NO_x. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Soot-blowing shall not result in visible emissions of greater than Ringelmann 1 or equivalent 20% opacity, excluding uncombined water vapor, except for aggregate periods of less than 3 minutes in any one hour period. [District Rule 4101] Federally Enforceable Through Title V Permit
18. At least 5% of annual energy output shall be in the form of useful thermal energy which shall be used for thermally enhanced oil recovery in the Heavy Oil Central Stationary Source. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Permittee shall maintain accurate daily records of energy output and useful thermal energy output and shall annually demonstrate compliance with minimum percentage requirement for thermal energy output set forth above. [District Rule 1070, 4.0] Federally Enforceable Through Title V Permit
20. Combustor start-up is defined as any period, not exceeding 96 hours, during which the combustor is set in operation and heated from a lower temperature to a steady state operating temperature. [District Rule 4352, 3.13] Federally Enforceable Through Title V Permit
21. Combustor shutdown is defined as any period, not exceeding 6 hours, during which the combustor is cooled from its steady state operating temperature to a lower temperature followed by cessation of operation within the 6 hour period. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Particulate matter (PM-10) emission rate shall not exceed 4.31 lb/hr, 0.0111 lb/MMBtu and 0.007 grains/dscf. [District NSR Rule and 40 CFR 60.42Da (a)(1), (2)] Federally Enforceable Through Title V Permit
23. Except during periods of combustor start-up and shutdown, sulfur oxide emissions (as SO₂) shall not exceed 15.47 lb/hr and 0.0398 lb/MM Btu. [District NSR Rule and 40 CFR 60.43 (a)(2)] Federally Enforceable Through Title V Permit
24. Except during periods of startup or shutdown, sulfur dioxide emissions shall not exceed 30% of the potential combustion concentration (70% reduction in potential emissions of sulfur dioxide based on sulfur analysis of "as-fired" fuel). [40 CFR 60.43(a)(2)] Federally Enforceable Through Title V Permit
25. During periods of combustor start-up and shutdown, sulfur oxide emissions (as SO₂) shall not exceed 0.11 lb/MMBtu, calculated on a daily basis. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Sulfur oxide emissions (as SO₂) shall not exceed the following quarterly amounts: 1st Qtr., 33,415 lb; 2nd Qtr., 33,786 lb; 3rd Qtr., 34,158 lb; and 4th Qtr., 34,158 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Except during periods of combustor start-up and shutdown, nitrogen oxides emissions (as NO₂) shall not exceed 38.90 lb/hr and 0.1000 lb/MMBtu. [District NSR Rule and 40 CFR 60.44 (a)(1), (2)] Federally Enforceable Through Title V Permit
28. During periods of combustor start-up and shutdown, nitrogen oxide emissions (as NO₂) shall not exceed 0.20 lb/MMBtu, calculated on a daily basis. [District NSR Rule] Federally Enforceable Through Title V Permit
29. Nitrogen oxide emissions (as NO₂) shall not exceed the following quarterly amounts: 1st Qtr., 84,024 lb; 2nd Qtr., 84,958 lb; 3rd Qtr., 85,891 lb; and 4th Qtr., 85,891 lb. [District NSR Rule] Federally Enforceable Through Title V Permit
30. Volatile organic compound (VOC) emission rate shall not exceed 6.03 lb/hr and 0.0155 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
31. Carbon monoxide (CO) emission rate shall not exceed 105.10 lb/hr (3-hour average) and 0.2701 lb/MMBtu. [District NSR Rule and PSD SJ 85-07] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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32. Performance testing shall be conducted annually for NO_x, SO_x, CO, VOCs, and PM(10) at the maximum operating capacity using following test methods; for NO_x EPA Methods 1-4 and 7 or ARB Method 100; for SO_x EPA Methods 1-4 and 8 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for VOCs EPA Method 25 or 18; and for PM(10) EPA Method 201A in combination with EPA Method 202. [District Rule 4352, 6.4; District Rule 2520, 9.3.2; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
33. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
34. 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; 40 CFR 60.51Da (a); and PSD SJ 85-07] Federally Enforceable Through Title V Permit
35. Quarterly, start-up, and shutdown NO_x and SO_x emissions shall be measured by maintaining CEM, fuel use and fuel Btu content records, and such records shall be made available for District inspection upon request. [District Rule 1070, 4.0] Federally Enforceable Through Title V Permit
36. Permittee shall maintain an operating log containing type and quantity of fuel used and higher heating value of such fuels on daily basis. [District NSR Rule; District Rule 4352, 6.2; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
37. All wells producing from strata steamed by this unit shall be connected to a District approved emissions control system, have District approved closed casing vents, or be District approved uncontrolled cyclic wells. [District NSR Rule] Federally Enforceable Through Title V Permit
38. Sulfur content of each type of fuel shall be measured and recorded on monthly basis using current ASTM Methods or shall be certified by supplier for each shipment. [District Rule 2520, 9.2.2; 40 CFR 60.49Da (e); and PSD SJ 85-07] Federally Enforceable Through Title V Permit
39. Operator shall install, operate, and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; and exhaust gas opacity, NO_x, SO₂, and O₂ (or CO) concentrations. [District NSR Rule; District Rule 1080, 4.0; 40 CFR 60.49Da (a), (b), (c), (d), (e); 40 CFR 64.3; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
40. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60 (60.13, Appendix B, and Appendix F); and 40 CFR 51 (51.214 and Appendix P), or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rule 1080, 6.5; 40 CFR 64.3; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
41. The baghouse shall be equipped with a differential pressure monitor to continuously indicate and record the pressure drop across the filter media. [40 CFR 64.3] Federally Enforceable Through Title V Permit
42. Permittee shall establish parameters for the differential pressure across the baghouse filter, which provide a reasonable assurance of ongoing compliance with emission limitations stated in this permit. The initial parameters shall be established using manufacturer/supplier recommendations and by correlating with opacity readings and source test results. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR 64.3] Federally Enforceable Through Title V Permit
43. Upon detecting any excursion from the acceptable range of differential pressure readings, the Permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR 64.7] Federally Enforceable Through Title V Permit
44. The permittee shall maintain daily average records of the differential pressure across the baghouse filter. [40 CFR 64.9] Federally Enforceable Through Title V Permit
45. If the daily average baghouse differential pressure is not within the acceptable established range for two consecutive days, permittee shall notify the APCO of such exceedance within 96 hours. [40 CFR 64.3] Federally Enforceable Through Title V Permit

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

46. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR 64.7] Federally Enforceable Through Title V Permit
47. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
48. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
49. Operator shall install, operate, and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR 64.3; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
50. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2; and 40 CFR 64.9] Federally Enforceable Through Title V Permit
51. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3; 40 CFR 60.51Da (b); 40 CFR 64.9; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
52. The permittee shall maintain hourly, daily, and 30-day rolling average records of NO_x and SO_x emissions and of the percentage SO_x reduction. [40 CFR 60.48Da (f), (g), 60.43Da (a), 60.51Da (b); and 40 CFR 64.9] Federally Enforceable Through Title V Permit
53. The permittee shall obtain emission data from the CEMS for at least 22 out of 30 successive boiler operating days for compliance determination. If this minimum data requirement can not be met with the CEMS, the permittee shall supplement the emission data with other monitoring systems approved by the APCO or with the reference methods and procedures described in 40 CFR 60.49(h). [40 CFR 60.49Da(f); and 40 CFR 64.7] Federally Enforceable Through Title V Permit
54. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; 40 CFR 60.51Da (a); 40 CFR 64.9; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
55. 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, 9.4.1; Rule 1080, 8.0; 40 CFR 64.9; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
56. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. Excess emissions shall be defined as any three-hour period during which emissions of SO_x or NO_x as measured by CEM system exceeds the SO_x and NO_x maximum emission limits set forth for each the pollutants in this permit. [District Rule 1080, 9.0; and PSD SJ 85-07] Federally Enforceable Through Title V Permit
57. 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
58. Permittee shall not discharge or cause the discharge into the atmosphere SO₂ in excess of the more stringent of 14.0 lb/hr or 20 ppm at 3% O₂ (3-hour average) from stack venting from the combustion unit except during periods of startup and shutdown. [PSD ATC SJ 85-07] 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.

59. Permittee shall not discharge or cause the discharge into the atmosphere NO_x in excess of the more stringent of 38.9 lb/hr or 78 ppm at 3% O₂ (3-hour average) from stack venting from the combustion unit except during periods of startup and shutdown. [PSD ATC SJ 85-07] Federally Enforceable Through Title V Permit
60. During startup or shutdown, permittee shall not discharge or cause the discharge into the atmosphere SO₂ in excess of 0.11 lb/MMBtu averaged over a 24-hour period. [PSD SJ 85-07] Federally Enforceable Through Title V Permit
61. During startup and shutdown, permittee shall not discharge or cause the discharge into the atmosphere NO_x in excess of 0.20 lb/MMBtu averaged over a 24-hour period. [PSD SJ 85-07] Federally Enforceable Through Title V Permit
62. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter breakthrough and shall be repaired as needed. [District Rule 2520, 9.2.2] Federally Enforceable Through Title V Permit
63. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.2.2] Federally Enforceable Through Title V Permit
64. Records of fabric collector filter maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-4-3

EXPIRATION DATE: 01/31/2010

SECTION: NE22 TOWNSHIP: 25S RANGE: 27E

EQUIPMENT DESCRIPTION:

SAND RECEIVING AND STORAGE OPERATION INCLUDING ONE PNEUMATICALLY-FILLED STORAGE SILO WITH FABRIC COLLECTOR

PERMIT UNIT REQUIREMENTS

1. Visible emissions shall not exceed 1/4 Ringelmann or equivalent 5% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Sand shall not be transferred into silo unless fabric filter baghouse is operating and functioning properly. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Collected fines shall be returned to sand system. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Sand receiving shall not exceed 48 hr/month. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Silo fabric filter baghouse particulate matter (PM-10) emission rate shall not exceed 0.141 lb/hr and 0.02 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
6. 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
7. 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
8. 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, 9.3.2] Federally Enforceable Through Title V Permit
9. 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, 9.3.2] Federally Enforceable Through Title V Permit
10. The records of hours of operation of sand receiving system shall be maintained on monthly basis. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-5-9

EXPIRATION DATE: 01/31/2010

SECTION: NE22 TOWNSHIP: 25S RANGE: 27E

EQUIPMENT DESCRIPTION:

ASH HANDLING AND LOADOUT OPERATION INCLUDING ENCLOSED CONVEYING SYSTEM FROM COMBUSTOR AND FABRIC COLLECTION HOPPERS, ASH STORAGE SILO VENTED TO FABRIC COLLECTOR, AND WET LOADOUT BY ENCLOSED PUG MILL OR DRY LOADOUT BY COAXIAL SPOUT

PERMIT UNIT REQUIREMENTS

1. Ash 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 have maximum air-to-cloth ratio of 4.5 cfm/sq. ft. filter area. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Fabric collector shall be equipped with automatically activated reverse pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Fabric collector shall be equipped with operational differential pressure indicator, one for each compartment. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Fabric collector shall be equipped with dust-tight provisions to return collected material to ash silo. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Ash shall be sufficiently wetted to prevent visible emissions (as defined in Rule 4101) during loadout. [District Rule 4101] Federally Enforceable Through Title V Permit
7. Dry ash shall be loaded through co-axial telescoping spout vented to fabric collector such that visible emissions as defined in Rule 4101 are prevented. [District Rule 4101] Federally Enforceable Through Title V Permit
8. Trucks shall be completely covered by tarps before being moved. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Ash shall not be transferred into silo or loaded into trucks unless fabric collector is operating. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Particulate matter (PM-10) emission rate (fabric collector exhaust and fugitive emissions) shall not exceed 0.01 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
11. 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
12. 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
13. Visible emissions from storage silo 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, 9.3.2] 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. 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, 9.3.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1751-6-2

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

195 BHP DETROIT DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. The engine shall be equipped with a non-resettable elapsed-time meter indicating total hours of operation. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with a turbocharger and with an aftercooler or intercooler. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. 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
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule and Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
7. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per year. [District NSR Rule and Rules 4701, 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the number of hours of operation, the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.), and the type of fuel used. Such records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 4701 and 4702] 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-1751-7-2

EXPIRATION DATE: 01/31/2010

SECTION: NE22 TOWNSHIP: 25S RANGE: 27E

EQUIPMENT DESCRIPTION:

112 BHP WAUKESHA DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FEEDWATER PUMP

PERMIT UNIT REQUIREMENTS

1. The engine shall be equipped with a non-resettable elapsed-time meter indicating total hours of operation. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with a turbocharger and with an aftercooler or intercooler. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
4. 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
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule and Rule 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
7. 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] Federally Enforceable Through Title V Permit
8. During periods of maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emissions control system supplier (e.g. oil pressure, exhaust gas temperature, etc.). [District Rule 4702] Federally Enforceable Through Title V Permit
9. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per year. [District NSR Rule and Rules 4701, 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the number of hours of operation, the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.), the type of fuel used, and records of operational characteristics monitoring. Such records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rules 4701 and 4702] 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-1751-8-5

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

23,150 GPM INDUCED DRAFT COOLING TOWER

PERMIT UNIT REQUIREMENTS

1. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]
2. Cooling tower drift shall not exceed 0.005%. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Total dissolved solids (TDS) in cooling tower water shall not exceed 4 g/l. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Recirculating water flow rate shall not exceed 23,150 gallons per minute. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Compliance with TDS limit shall be determined by cooling water sample analysis by independent laboratory on a monthly basis. [District Rule 1081] Federally Enforceable Through Title V Permit
6. Records of the cooling tower recirculating water flow rate and cooling tower water TDS shall be kept at the facility and made readily available for District inspection upon request for 5 years. [District NSR Rule] 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-1751-9-5

EXPIRATION DATE: 01/31/2010

SECTION: NE22 **TOWNSHIP:** 25S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

435 BHP CUMMINS MODEL NTA-855 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN AIR COMPRESSOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 4.2.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
6. 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]
7. This IC engine shall be equipped with a catalytic particulate filter. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed any of the following limits: 7.9 g-NOx/bhp-hr, 0.8 g-CO/bhp-hr, or 0.31 g-VOC/bhp-hr. [District Rule 2201, 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Emissions from this IC engine shall not exceed 0.075 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per year. [District Rule 4702, 5.1 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 5.7.2] 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. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702, 5.7.3] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 6.2.3 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. 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]
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.3 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-1751-10-1

EXPIRATION DATE: 01/31/2010

EQUIPMENT DESCRIPTION:

450 TON (15,000 FT3) COKE STORAGE SILO EQUIPPED WITH BHA MODEL SPJ-24-X4B8BV VENT FILTER BAGHOUSE, LOADING AND UNLOADING PNEUMATIC CONVEYOR SYSTEMS

PERMIT UNIT REQUIREMENTS

1. Coke storage silo loading rate from trucks shall not exceed 240 tons/day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Concentration of PM10 in coke storage silo baghouse exhaust shall not exceed 0.02 gr/scf. [District NSR Rule] Federally Enforceable Through Title V Permit
3. There shall be no visible emissions during unloading of coke from silo to boiler. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse shall be equipped with an operational pressure differential gauge, mounted in an accessible location, which indicates the pressure drop across the bags. [District NSR Rule] Federally Enforceable Through Title V Permit
5. No air contaminant shall be discharged into the atmosphere from coke storage silo baghouse exhaust for a period or periods aggregating more than 3 minutes in any one hour which is dark or darker than Ringelmann 1/4 or equivalent to 5% opacity. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Daily records of coke storage silo loading rate in tons/day shall be maintained, retained on-site for a period of at least five years and made available for District inspection upon request. [District NSR Rule and Rule 1070] 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-1751-11-0

EXPIRATION DATE: 01/31/2010

EQUIPMENT DESCRIPTION:

147 BHP GENERAC MODEL V TYPE RICH-BURN NATURAL GAS-FIRED EMERGENCY STANDBY IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 0.01 g-NOx/bhp-hr, 0.063 g-PM10/bhp-hr, 0.78 g-CO/bhp-hr, or 0.75 g-VOC/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. This IC engine shall be equipped with a three-way catalyst and shall be fired on natural gas fuel only. [District Rule 2201] Federally Enforceable Through Title V Permit
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] Federally Enforceable Through Title V Permit
9. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

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

13. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit
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] Federally Enforceable Through Title V Permit

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

ATTACHMENT C

Detailed Facility List

Detailed Facility Report
For Facility=1751 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

RIO BRAVO JASMIN	FAC #:	S 1751	TYPE:	TitleV	EXPIRE ON:	01/31/2010
11258 PORTERVILLE HWY	STATUS:	A	TOXIC ID:	50266	AREA:	22 /
BAKERSFIELD, CA 93308	TELEPHONE:	(949) 852-0606			INSP. DATE:	05/11

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
S-1751-1-9	846,081 SILOS	999-99	1	0.00	0.00	A	FUEL RECEIVING AND STORAGE OPERATION INCLUDING ENCLOSED TRUCK RECEIVING STATION WITH WATER/SURFACTANT SPRAY SYSTEM, TWO FUEL SILOS WITH FABRIC COLLECTORS, AND ENCLOSED UNDERHOPPER CONVEYOR - JASMIN FIELD
S-1751-2-7	15,000 LIMESTONE RECEIVING OPERATION	999-99	1	0.00	0.00	A	LIMESTONE RECEIVING AND STORAGE OPERATION INCLUDING ONE PNEUMATICALLY FILLED STORAGE SILO WITH FABRIC COLLECTOR - JASMIN FIELD
S-1751-3-13	36 MEGAWATT	3020-08A G	1	10,215.00	10,215.00	A	36 MW SOLID FUEL FIRED, CIRCULATING BED COMBUSTOR COGENERATION UNIT INCLUDING 389 MMBTU/HR COMBUSTOR WITH LOW-TEMPERATURE STAGED COMBUSTION, AMMONIA INJECTION, AND PULVERIZED LIMESTONE INJECTION - JASMIN FIELD
S-1751-4-3	16,458 Miscellaneous	999-99	1	0.00	0.00	A	SAND RECEIVING AND STORAGE OPERATION INCLUDING ONE PNEUMATICALLY-FILLED STORAGE SILO WITH FABRIC COLLECTOR
S-1751-5-9	5000 gallon	999-99	1	0.00	0.00	A	ASH HANDLING AND LOADOUT OPERATION INCLUDING ENCLOSED CONVEYING SYSTEM FROM COMBUSTOR AND FABRIC COLLECTION HOPPERS, ASH STORAGE SILO VENTED TO FABRIC COLLECTOR, AND WET LOADOUT BY ENCLOSED PUG MILL OR DRY LOADOUT BY COAXIAL SPOUT
S-1751-6-2	195 hp	999-99	1	0.00	0.00	A	195 BHP DETROIT DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A FIREWATER PUMP
S-1751-7-2	112 horsepower	999-99	1	0.00	0.00	A	112 BHP WAUKESHA DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FEEDWATER PUMP
S-1751-8-5	1,375 TOTAL HORSEPOWER, fans and pumps	999-99	1	0.00	0.00	A	23,150 GPM INDUCED DRAFT COOLING TOWER
S-1751-9-5	435 bhp	999-99	1	0.00	0.00	A	435 BHP CUMMINS MODEL NTA-855 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN AIR COMPRESSOR
S-1751-10-1	244 hp	3020-01 E	1	412.00	412.00	A	450 TON (15,000 FT3) COKE STORAGE SILO EQUIPPED WITH BHA MODEL SPJ-24-X4B8BV VENT FILTER BAGHOUSE, LOADING AND UNLOADING PNEUMATIC CONVEYOR SYSTEMS
S-1751-11-0	147 bhp engine	3020-10 B	1	117.00	117.00	A	147 BHP GENERAC MODEL V TYPE RICH-BURN NATURAL GAS-FIRED EMERGENCY STANDBY IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) POWERING AN ELECTRICAL GENERATOR

Number of Facilities Reported: 1