



JUL 11 2011

Rob Sanch
DTE Stockton, LLC
2526 W. Washington St.
Stockton, CA 95203

**Re: Notice of Preliminary Decision - Title V Permit Renewal
District Facility # N-645
Project # N-1102288**

Dear Mr. Sanch:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for DTE Stockton, LLC for its coal-fired electrical generating station at 2526 W. Washington St. in Stockton, 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: Frank DeMaris, 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)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

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



JUL 11 2011

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 # N-645
Project # N-1102288**

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 DTE Stockton, LLC for its coal-fired electrical generating station at 2526 W. Washington St. in Stockton, 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.

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JUL 11 2011

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 # N-645
Project # N-1102288**

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 DTE Stockton, LLC for its coal-fired electrical generating station at 2526 W. Washington St. in Stockton, 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.

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Stockton Record

**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 DTE Stockton, LLC for its coal-fired electrical generating station at 2526 W. Washington St. in Stockton, California.

The District's analysis of the legal and factual basis for this proposed action, project #N-1102288, 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
DTE Stockton, LLC
N-645

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TITLE V PERMIT RENEWAL EVALUATION
Coal-Fired Power Plant

Engineer: Frank DeMaris
Date: April 26, 2011

Facility Number: N-645
Facility Name: DTE Stockton, LLC
Mailing Address: 2526 W. Washington St.
Stockton, CA 95203

Contact Name: Rob Sanch
Phone: (734) 302-5383

Responsible Official: Stephen Sorrentino
Title: Vice President, Wholesale Power & Renewables

Project # : N-1102288
Deemed Complete: June 9, 2010

I. PROPOSAL

DTE Stockton, LLC ("DTE") was issued a Title V permit on April 13, 2001. 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.

II. FACILITY LOCATION

DTE is located at 2526 W. Washington St. in Stockton, California.

III. EQUIPMENT LISTING

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

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant is requesting to use the following model general permit Templates:

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

The applicant has requested to utilize template SJV-UM-0-3, Facility Wide Umbrella. Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

V. SCOPE OF EPA AND PUBLIC REVIEW

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

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

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

- a. N-645-0-3 (Facility-Wide Requirements)
Conditions 1 through 40 on the proposed Permit to Operate are taken from the Facility-Wide Umbrella Template.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated

- District Rule 2020, Exemptions
(amended December 20, 2007)
- District Rule 2201, New and Modified Stationary Source Review Rule
(amended December 18, 2008)
- District Rule 4306, Boilers, Steam Generators, and Process Heaters – Phase 3
(amended October 16, 2008)
- District Rule 4702, Internal Combustion Engines – Phase 2
(amended January 18, 2007)
- 40 CFR 60, Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978
- 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
- 40 CFR 60, Subpart HHHH, Emission Guidelines and Compliance Times for Coal-Fired Electric Steam Generating Units
- 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
- 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
- 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters

B. Rules Removed

- District Rule 8020, 8030, and 8060, Fugitive Dust (PM₁₀) Emissions (amended April 25, 1996)

These rules were removed on November 15, 2001 and were replaced with District Rules 8021, 8031, and 8061.

C. Rules Added

- District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr (Adopted October 16, 2008)
- 40 CFR 63, Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers

D. Rules Not Updated

- 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 4301, Fuel Burning Equipment (amended December 17, 1992)
- District Rule 4304, Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters (adopted October 19, 1995)
- District Rule 4305, Boilers, Steam Generators, and Process Heaters – Phase 2 (amended August 21, 2003)
- District Rule 4351, Boilers, Steam Generators, and Process Heaters – Phase 1 (amended August 21, 2003)

- District Rule 4801, Sulfur Compounds
(amended December 17, 1992)

E. Rules Covered by Template

The following rules are covered by the umbrella template and will not be further discussed in this evaluation:

- 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 4101, Visible Emissions
(amended February 17, 2005)
- District Rule 4601, Architectural Coatings
(amended December 17, 2009)
- District Rule 8011, General Requirements
(amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities
(amended August 19, 2004)

- District Rule 8031, Bulk Materials
(amended August 19, 2004)
- District Rule 8041, Carryout and Trackout
(amended August 19, 2004)
- District Rule 8051, Open Areas
(amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads
(amended September 16, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas
(amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos
- 40 CFR Part 82, Subpart F, Stratospheric Ozone

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating Permits. The terms and conditions that are part of the facility's Title V permit are designated as "Federally Enforceable Through Title V Permit".

For this facility, the following are not federally enforceable and will not be discussed in further detail:

A. Rules Not Updated

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

Condition 41 of permit unit N-645-0-3 is based on District Rule 4102 and will therefore not be discussed any further.

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 preliminary decision was made for the previous Title V permit renewal, on December 7, 2006.

A. District Rule 2020 - Exemptions

District Rule 2020 lists equipment which are 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 2520 - Federally Mandated Operating Permits

There are no federally applicable greenhouse gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40 CFR 98) is not included in the definition of an applicable requirement within Title V, as specified in 40 CFR 71.2. Therefore, no GHG requirements will be included in the proposed Permit to Operate. No further discussion is required.

D. District Rule 4306 - Boilers, Steam Generators, and Process Heaters – Phase 3

This rule applies to any boiler, steam generator or process heater, with a rated heat input greater than 5 million Btu per hour that is fired with gaseous and/or liquid fuels. In general, the provisions of Rule 4306 are similar to Rule 4305 except that the emission limits are more stringent.

DTE applied to modify the auxiliary boiler (N-645-24) into a non-compliant dormant emission unit, receiving the ATC for that modification on December 30, 2005. No changes have been made to the permit conditions on the proposed Permit to Operate in order to comply with these requirements.

E. District Rule 4320 - Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr

The auxiliary boiler, N-645-24-8, is the only unit subject to Rule 4320. However, this unit is currently in a dormant emission unit status. As part of the action to bring this boiler out of dormant status, DTE will be required to fully comply with the requirements of this rule. Any modifications required for Rule 4320 compliance will be approved by the District through an Authority to Construct permit.

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

The purpose of this rule is to limit emissions of NO_x, CO, and VOC from stationary internal combustion (IC) engines. The most recent version of the rule was adopted on January 18, 2007 and approved into the SIP on January 10, 2008.

a. N-645-29-3 (200 bhp Emergency IC Engine):

This unit is a diesel-fueled emergency IC engine powering a compressor to provide compressed air in the event of a power outage. The District has verified that conditions 6 through 15 on the proposed Permit to Operate will ensure compliance with the requirements of this rule.

b. N-645-33-4 (355 bhp Emergency IC Engine):

This unit is a diesel-fueled emergency IC engine powering an electrical generator to provide electricity for the plant in the event of a power outage. The District has verified that conditions 3 through 12 on the proposed Permit to Operate will ensure compliance with the requirements of this rule.

It is noted that condition 7 on the current Permit to Operate limits non-emergency operation to 15 minutes per day, 2 days per week, and 20 hours per year. While the annual operating time limit is required by Title 17, California Code of Regulations, Section 93115 based on the engine's particulate matter emission factor, there is no underlying regulatory or statutory basis for the daily and weekly operational limits. Therefore, condition 7 on the current Permit to Operate has been replaced with condition 6 on the proposed Permit to Operate, which only includes the annual operating time limit of 20 hours per year.

G. 40 CFR 60, Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978

This new source performance standard (NSPS) is intended to regulate emissions of NO_x, SO_x, and PM from electric utility steam generating units for which construction is commenced after September 18, 1978. The two electric utility steam generating units (N-645-14 and N-645-16) at this facility commenced construction after 1978, so they are subject to the NSPS requirements in effect at the time.

However, revised NSPS requirements apply to affected facilities that commence construction, reconstruction, or modification after the effective date of the revision. These units have not been modified, as defined in 40 CFR 60.14 based on an increase in emissions on a kg/hr basis, since original construction commenced in 1986. Therefore, the revised NSPS standards do not apply to these units and will not be further discussed.

H. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

This NSPS is intended to regulate emissions of SO_x and PM from boilers, steam generators, and process heaters, with a maximum heat input rate between 10 and 100 MMBtu/hr for which construction is commenced after June 9, 1989. The auxiliary boiler (N-645-24) at this facility commenced construction after 1989, so it is subject to the NSPS requirements in effect at the time.

However, revised NSPS requirements apply to affected facilities that commence construction, reconstruction, or modification after the effective date of the revision. This unit has not been modified, as defined in 40 CFR 60.14 based on an increase in emissions on a kg/hr basis, since original construction commenced. Therefore, the revised NSPS standards do not apply to this unit and will not be further discussed.

I. 40 CFR 60, Subpart HHHH, Emission Guidelines and Compliance Times for Coal-Fired Electric Steam Generating Units

This NSPS establishes the model rule for a mercury (Hg) emissions trading program under the Clean Air Mercury Rule (CAMR). Units N-645-14 and N-645-16 are Hg budget units as defined in this subpart. However, CAMR was vacated on February 8, 2008 and the District has never adopted a rule based on this model rule. Furthermore, proposed Subpart UUUUU of 40 CFR 63 includes a provision removing and reserving Subpart HHHH of 40 CFR 60. Subpart HHHH will not be further discussed.

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

This NSPS is intended to regulate emissions of NO_x, CO, and VOC from compression ignition IC engines. Units N-645-29 and N-645-33 are compression ignition IC engines.

However, these engines commenced construction prior to all of the NSPS applicability dates, none of which is any earlier than 2005. Furthermore, neither of these engines has been modified, as defined in 40 CFR 60.14 based on an increase in emissions on a kg/hr basis, since original construction commenced. Therefore, the revised NSPS standards do not apply to these units and will not be further discussed.

K. 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

This national emission standard for hazardous air pollutants (NESHAP) is intended to regulate emissions of hazardous air pollutants (HAP) from stationary reciprocating IC engines. Subpart ZZZZ applies to both new and existing stationary IC engines, so units N-645-29 and N-645-33 are both subject to the requirements of this Subpart.

However, the applicable requirements of Subpart ZZZZ will include several work practice standards but no emission limits. In addition, this Subpart requires units N-645-29 and N-645-33 to comply with the applicable requirements by May 3, 2013. Therefore, no new conditions are required at this time to ensure compliance with the requirements of this Subpart.

L. 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters

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

These NESHAP are intended to regulate emissions of HAP from boilers and process heaters at both major sources and area sources of HAP. While units N-645-14 and N-645-16 are circulating fluidized bed boilers, they are also electric generating units, subject to proposed NESHAP Subpart UUUUU (once that Subpart is finalized) and therefore exempt from these boiler NESHAP. Unit N-645-24 (the auxiliary boiler) is certainly subject to one of these Subparts, although it is not apparent whether DTE is a major source of HAP or an area source at this time.

However, both Subparts DDDDD and JJJJJJ were published in the Federal Register on March 21, 2011 and have compliance deadlines no earlier than March 21, 2012. Therefore, no new conditions are required at this time to ensure compliance with the requirements of these Subparts.

N. 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.

The previous Title V renewal project determined that the two coal-fired electrical generating units (N-645-14 and N-645-16) are subject to the CAM requirements for NO_x, SO_x, and PM₁₀. While the major source threshold for VOC was subsequently reduced from 50,000 lb/yr to 20,000 lb/yr, these units cannot be subject to CAM for VOC because they are not equipped with add-on controls to reduce VOC emissions. However, each unit has a continuous emissions monitoring system (CEMS) for NO_x and SO_x, which satisfies the CAM requirements. Although a continuous opacity monitoring system (COMS) may be used as part of a monitoring program to satisfy the CAM requirements, this would depend on the establishment of an opacity limit that provides reasonable assurance that the unit is operating in compliance with the PM₁₀ emission limit. The operators of this facility have never established such an opacity limit. The CAM requirements for PM₁₀ are satisfied by daily monitoring of the differential pressure across the baghouse, as specified in conditions 6, 43 through 45, 54, and 57 on the proposed Permit to Operate.

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

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

By submitting Model General Permit Template SJV-UM-0-1 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template are included as conditions 39 and 40 of the facility-wide requirements (N-645-0-3).

B. Requirements not Addressed by Model General Permit Templates

DTE has not requested a permit shield for any rule requirements outside the umbrella template permit shields.

C. Obsolete Permit Shields From Existing Permit Requirements

There are no obsolete permit shield conditions to be removed from the current Permit to Operate.

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: N-645-0-3

EXPIRATION DATE: 11/30/2010

FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: DTE STOCKTON, LLC
Location: 2526 W. WASHINGTON STREET, STOCKTON, CA 95203
N-645-0-3: Apr 19 2011 2:13PM - DEMARISF

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

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

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

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

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. {4400} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. {4401} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin April 14th of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-2-6

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

COAL/COKE RECEIVING, HANDLING AND STORAGE CONSISTING OF: A TRUCK DUMP HOPPER CONTROLLED WITH WATER SPRAYS, A SILO FEED CONVEYOR VENTED TO A DUST COLLECTOR, AND A 2,500 TON STORAGE SILO VENTED TO A BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The differential pressure across each compartment of the baghouse on Tower 20 shall be maintained between 1" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The silo shall be totally enclosed except for vents through a baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The baghouse shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emissions from storage silo shall not exceed 0.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Operational water sprays shall be maintained on both sides of both receiving hoppers and at all other transfer points. [District NSR Rule] Federally Enforceable Through Title V Permit
10. All conveyor transfer points shall be enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit
11. For truck unloading, the ratio of surface active agent to water shall be no less than 1:3500 by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
12. For truck unloading, the solution supply at the inlet to the nozzles shall be equipped with an operational flow meter. The flow meter shall have a totalizer. [District NSR Rule] Federally Enforceable Through Title V Permit
13. The sprays control system for truck unloading shall be operated so as to limit fugitive and visible emissions. Whenever visible fugitive dust emissions are observed the spray system shall immediately be turned on, and remain on throughout the truck unloading operation. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The receiving hoppers shall be maintained at the full level at all times. The belt shall be stopped automatically as soon as the dump truck is empty and the flow of the material to the receiving hoppers has ceased. [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.

15. Coal/coke shall be choke fed into the receiving hoppers at all times, except for immediately after the start of unloading. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The coal/coke dumping process shall be limited to bottom dump trucks with automatic discharge gates. The discharge gates shall be open to the maximum opening position to assist in choke feeding. [District NSR Rule] Federally Enforceable Through Title V Permit
17. All conveyors shall be covered. [District NSR Rule] Federally Enforceable Through Title V Permit
18. When spray system is being used, a minimum of 2.5 gallons of wetting solution shall be sprayed per ton of coal/coke unloaded at the coal/coke station. This condition does not apply to coal/coke received through the rail car unloading system. [District NSR Rule] Federally Enforceable Through Title V Permit
19. The PM10 emissions from the truck dump hopper controlled with water sprays shall not exceed 0.5 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
20. The baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Bags 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
22. Records of baghouse 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
23. Visible emissions from the truck dump hopper, the silo feed conveyor, and the baghouse controlling the storage silo shall be checked and the results recorded annually. If visible emissions are observed, corrective action is required prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
24. The differential pressure across each compartment of the baghouse on Tower 20 shall be checked and the results recorded annually. If the differential pressure across each compartment of the baghouse is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
25. Records of the surface active agent to water ratio for truck unloading shall be maintained. The records shall include date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
26. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
27. Permittee shall monitor the wetting solution spray rate during truck unloading at least quarterly and permittee shall also inspect weekly for spray nozzles malfunction and repair as needed. [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: N-645-3-6

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

BOILER #A COAL/COKE FEED SYSTEM CONSISTING OF: A 100 TON DAY BIN; A 20 TON SURGE BIN AND MAIN ELEVATOR SYSTEM; A DRYER, DRYER ELEVATOR, AND CONVEYING SYSTEMS; AND A SPLITTER SCALPER SERVED BY THE SURGE BIN ALL VENTED TO BAGHOUSES OR THE BOILER

PERMIT UNIT REQUIREMENTS

1. The surge bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The day bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The bin vent dust collectors shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The differential pressure across each compartment of the baghouse on Tower A shall be maintained between 1" and 10" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from the dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The dust collectors shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The surge bin daily throughput shall not exceed 1,200 tons of solid fuel in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The solid fuel scalper/splitter screens shall be totally enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The PM10 emissions from the scalper/splitter shall not exceed 8.3E-5 pounds per ton of solid fuel processed. [District NSR Rule] Federally Enforceable Through Title V Permit
11. There shall be no visible emissions from the all conveyors and transfer points. [District NSR Rule] Federally Enforceable Through Title V Permit
12. The dryer exhaust shall be ducted to the boilers' freeboard. [District NSR Rule] Federally Enforceable Through Title V Permit
13. All transfer points in the dryer feed and discharge shall be totally enclosed and non-vented. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The coal/coke processed in the two dryers of N-645-3 and N-645-4 shall not exceed 700 tons in any one day. [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.

15. Permittee shall maintain records indicating the amount of solid fuel processed through the dryers, and the amount of solid fuel transported from the surge bin on daily basis. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
16. Dust collector system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust 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
18. Records of dust collector system 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
19. Visible emissions from the day bin, surge bin and main elevator system, the dryer, the dryer elevator, and the splitter scalper, shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
20. The differential pressure across each compartment of the baghouse on Tower A shall be checked and the results recorded annually. If the differential pressure across each compartment of the bin vent dust collectors is not between 1" and 10" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] 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: N-645-4-6

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

BOILER #B COAL/COKE FEED SYSTEM CONSISTING OF: A 100 TON DAY BIN; A 20 TON SURGE BIN AND MAIN ELEVATOR SYSTEM; THE DRYER, DRYER ELEVATOR, AND CONVEYING SYSTEMS; AND A SPLITTER SCALPER SERVED BY THE SURGE BIN ALL VENTED TO BAGHOUSES OR THE BOILER

PERMIT UNIT REQUIREMENTS

1. The surge bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The day bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The bin vent dust collectors shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The differential pressure across each compartment of the baghouse on Tower B shall be maintained between 1" and 10" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from the dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The dust collectors shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The surge bin daily throughput shall not exceed 1,200 tons of solid fuel in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The solid fuel scalper/splitter screens shall be totally enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The PM10 emissions from the scalper/splitter shall not exceed 8.3E-5 pounds per ton of solid fuel processed. [District NSR Rule] Federally Enforceable Through Title V Permit
11. There shall be no visible emissions from the all conveyors and transfer points. [District NSR Rule] Federally Enforceable Through Title V Permit
12. The dryer exhaust shall be ducted to the boilers' freeboard. [District NSR Rule] Federally Enforceable Through Title V Permit
13. All transfer points in the dryer feed and discharge shall be totally enclosed and non-vented. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The coal/coke processed in the two dryers of N-645-3 and N-645-4 shall not exceed 700 tons in any one day. [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.

15. Permittee shall maintain records indicating the amount of solid fuel processed through the dryers, and the amount of solid fuel transported from the surge bin on daily basis. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
16. Dust collector system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust 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
18. Records of dust collector system 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
19. Visible emissions from the day bin, surge bin and main elevator system, the dryer, the dryer elevator, and the splitter scalper, shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
20. The differential pressure across each compartment of the baghouse on Tower B shall be checked and the results recorded annually. If the differential pressure across each compartment of the bin vent dust collectors is not between 1" and 10" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] 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: N-645-7-9

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

COAL/COKE CONVEYING SYSTEM SERVED BY THE 2,500 TON MAIN STORAGE SILO AND SERVING THE DAY BINS FOR BOILERS #A & #B, THE SYSTEM INCLUDES: A CRUSHER BUILDING CONTAINING TWO CRUSHERS AND SCREENS, A COAL/COKE TDF TRUCK UNLOADING SYSTEM, AND ASSOCIATED CONVEYING EQUIPMENT VENTED TO A BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. The conveyor belts shall be covered. [District Rule 2201] Federally Enforceable Through Title V Permit
2. All transfer points, except the tire derived fuel handling operation, shall be totally enclosed and vented through the fabric filter serving the day bins. The conveyors, conveyor transfer points, and the unloading hoppers of the tire derived fuel receiving and handling operation shall be covered or enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
3. There shall be no visible emissions from the solid fuel transfer points. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The differential pressure across each compartment of the baghouses on the coal crusher building and coal silo shall be maintained between 1" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Material removed from dust baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The coal/coke crusher shall be totally enclosed except for vents through a baghouse. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The amount of coal/coke handled, including the crushing operation, shall not exceed 2,400 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The amount of tire-derived fuel received and handled shall not exceed 59.3 tons during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. PM10 emissions from the tire-derived fuel receiving and handling operation shall not exceed 0.00055 pounds per ton of tire-derived fuel received. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The combined amount of coal and coke received and handled via the tire-derived fuel truck receiving and handling system shall not exceed 410 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. PM10 emissions from the coal or coke processed through the tire-derived fuel truck receiving and handling operation shall not exceed 0.0012 pounds per ton of coal or coke received. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Permittee shall maintain the records indicating the amount of each type of solid fuel handled on daily basis. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Bags shall be completely inspected quarterly 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
18. Records of baghouse 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
19. Visible emissions from the from the main storage silo, the day bins, the two crushers and screens, the coal/coke TDF truck unloading equipment, and associated conveying equipment, shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
20. The differential pressure across each compartment of the baghouses on the coal crusher building and coal silo shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the baghouse is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
22. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-8-6

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

LIMESTONE RECEIVING SILO #1 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

DRAFT

PERMIT UNIT REQUIREMENTS

1. Limestone shall be received through direct coupled pneumatic unloading truck. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The fabric filters shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filter baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. The differential pressure across each compartment shall be maintained between 1" and 8" water column. [District NSR Rule and 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. 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
10. Records of fabric collector system 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
11. Visible emissions from the the limestone receiving silo shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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12. The differential pressure across each compartment of the fabric filter baghouse shall be checked and the results recorded annually. If the differential pressure across each compartment of the fabric filters is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
14. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-9-6

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

LIMESTONE RECEIVING SILO #2 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

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PERMIT UNIT REQUIREMENTS

1. Limestone shall be received through direct coupled pneumatic unloading truck. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The fabric filters shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The differential pressure across the fabric filters baghouse shall be maintained between 1" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. A spare set of each type of bags shall be maintained on the premises at all times. [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 leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Records of fabric collector system 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
12. Visible emissions from the the limestone receiving silo shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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13. The differential pressure across each compartment of the fabric filters shall be checked and the results recorded annually. If the differential pressure across each compartment of the fabric filters is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
14. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-10-6

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

3.5 TON LIMESTONE/DAY TANK #1 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

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PERMIT UNIT REQUIREMENTS

1. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The bin vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. The differential pressure across each compartment shall be maintained between 1" and 8" water column. [District NSR Rule and 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Limestone shall be transferred through a totally air tight pneumatic transfer system, only. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions from the vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Vent filter system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Vent 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
9. Records of vent filter system 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
10. Visible emissions from the the limestone/day tank shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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11. The differential pressure across each compartment of the bin vent filter shall be checked and the results recorded annually. If the differential pressure across each compartment of the fabric filters is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-11-6

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

3.5 TON LIMESTONE/DAY TANK #2 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

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PERMIT UNIT REQUIREMENTS

1. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The bin vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. The differential pressure across each compartment shall be maintained between 1" and 8" water column. [District NSR Rule and 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Limestone shall be transferred through a totally air tight pneumatic transfer system, only. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions from the vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Vent filter system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Vent 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
9. Records of vent filter system 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
10. Visible emissions from the the limestone/day tank shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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11. The differential pressure across each compartment of the bin vent filter shall be checked and the results recorded annually. If the differential pressure across each compartment of the vent filter is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-12-5

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

ASH STORAGE AND TRUCK LOADOUT CONSISTING OF ONE 900 TON FLY ASH SILO AND ONE 500 TON BOTTOM ASH SILO ALL VENTED TO BAGHOUSES

PERMIT UNIT REQUIREMENTS

1. The bottom ash from the boiler and the fly ash from the baghouse and the economizer shall be transferred to the storage silo only through a totally air tight pneumatic transfer system. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Particulate matter emissions from ash being loaded into trucks shall be mitigated by loading trucks through a telescopic spout or by water sprays. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The emissions of the loadout point shall be vented through the ash storage silos. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The ash storage silos shall be totally air tight and only vented through a fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The differential pressure across each compartment of the baghouses on the fly ash storage silo and unloading, and bottom ash storage silo and unloading shall be maintained between 1" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The fabric filter shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The water sprays shall be turned on prior to start-up of truck loading activities and shall remain on throughout the process. [District NSR Rule] Federally Enforceable Through Title V Permit
10. All water sprays shall be maintained in good working condition. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
12. Ash production shall not exceed 120 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Permittee shall maintain a daily ash production log on the premises, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
14. Baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [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.

15. Bags 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
16. Records of baghouse 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
17. Visible emissions from the baghouse shall be checked and the results recorded quarterly. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
18. The differential pressure across each compartment of the baghouses on the fly ash storage silo and unloading, and bottom ash storage silo and unloading shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the baghouse is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
19. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
20. Permittee shall monitor the water spray rate during truck loading to mitigate particulate matter emissions at least quarterly and permittee shall also inspect weekly for spray nozzles malfunction and repair as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-14-12

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

280 MMBTU/HR CIRCULATING FLUIDIZED BED BOILER #A UTILIZING LIMESTONE INJECTION, A THERMAL DENOX SYSTEM, AND A BAGHOUSE NOTE: THIS BOILER SERVES AN ELECTRIC GENERATOR

PERMIT UNIT REQUIREMENTS

1. The total net electrical output of the Cogeneration Facility shall not exceed 50 MW and the total gross electrical output, including the parasitic use, shall not exceed 54 MW. [District NSR Rule and the California Health and Safety Code, Section 42314] Federally Enforceable Through Title V Permit
2. The operator shall install, continuously operate, and maintain limestone injection for control of SOx emissions. A Selective Non-Catalytic Reduction system utilizing ammonia injection shall be incorporated within the boiler at a point where a temperature range of 1500-1700 °Fahrenheit is provided during normal operations. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
3. The boiler shall be equipped with automatic air/fuel ratio control system. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The flue gas from the combustor shall be vented through the fabric filter at all times (including the soot blowing periods). [District NSR Rule] Federally Enforceable Through Title V Permit
5. The flue gas temperature entering the fabric filter shall be maintained at 50 °Fahrenheit or above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule and 40 CFR 64.3] Federally Enforceable Through Title V Permit
7. Upon recommencing operation, the differential pressure across the fabric filter bags shall be maintained between 2" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Replacement bags numbering at least 10% of the total number of bags in the largest fabric filter using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The fabric filter shall have a maximum effective air to cloth ratio of 4.2:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The fabric filter filtering media shall be P84 Felt type or an equivalent approved by the Air Pollution Control Officer (APCO) in writing. Written approval from the APCO shall be maintained on-site. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The fabric filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Material removed from the fabric filter shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit

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

13. The bottom ash from the bed and the fly ash from the economizer shall be transferred to their pertinent silo via a totally air tight pneumatic transfer system. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The boiler may be fired on Western United States Coal, Canadian Coal, Petroleum Coke, or tire derived fuel. The boiler may also fire on fuel oil #2, or natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The fuel switch over period is defined as the time the boiler is switched from solid fuel to fuel oil #2 for a period not to exceed 3 consecutive hours per occurrence. At the end of the three hour time limit, if the boiler continues to fire on fuel oil, then the fuel oil #2 emission limits for NOx, and CO will be enforced. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The amount of tire derived fuel used in the boiler shall not exceed 11% by weight of the total solid fuels used at any one time. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Natural gas or fuel oil #2 shall be used during start-up to heat the boiler to solid fuel ignition temperature throughout the combustor before feeding any solid fuel. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
18. The maximum rate at which fuel oil #2 may be consumed in the boiler shall be limited to 170,000,000 Btu/hr. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
19. The average sulfur content of the fuel oil #2 shall not exceed 0.2 percent by weight on a monthly basis. The sulfur content of the fuel oil #2 shall not exceed 0.25 percent by weight at any time. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
20. The 3-hour averaging NSR emission limits of this permit shall not apply during startup and shutdown periods as defined in District Rule 4352 - "Solid Fuel Fired Boilers, Steam Generators, and Process Heaters." [District NSR Rule and District Rule 4352] Federally Enforceable Through Title V Permit
21. No gases which exhibit greater than 20% opacity (6 minute average), except for one 6 minute period per hour of not more than 27% opacity shall be discharged into the atmosphere from this boiler. [40 CFR 60.42a(b)] Federally Enforceable Through Title V Permit
22. The VOC emissions from the entire stationary source shall not exceed 150 pounds during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Emissions of VOC from this boiler shall not exceed 2.5 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Emissions of Particulate Matter (PM) from this boiler shall not exceed 5 pounds per hour. [District NSR Rule & District Rules 4201 & 4301] Federally Enforceable Through Title V Permit
25. Emissions of PM10 from this boiler shall not exceed 5 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Emissions of SOx from this boiler shall not exceed 13.04 pounds per hour, based on a 24-hour rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Emissions of SOx shall not exceed 0.29 lb/MMBtu (24-hour average) from each boiler and 26.0 lb/hr (24-hour average) or 50.0 lb/hr (3-hour average) from the stack common to both boilers. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
28. When firing on solid fuels or fuel oil #2 during fuel switch over periods, emissions of NOx from this boiler shall be the more restrictive of all of following: 12.29 lb/hr, 0.04 lb/MMBtu (24-hour average) from each boiler and 42.0 lb/hr, 0.075 lb/MMBtu (3-hour average) from stack common to both boilers. [District NSR Rule, District Rule 4352, 5.1, and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
29. When firing on fuel oil #2, emissions of NOx from this boiler shall not exceed 3.13 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
30. Emissions of NOx from startup duct burners shall not exceed 0.15 lb/MMBtu (3 hour average) when firing on natural gas. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit

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

31. When firing on solid fuels or fuel oil #2 during fuel switch over periods, emissions of CO from this boiler shall not exceed 39.58 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
32. When firing on fuel oil #2, emissions of CO from this boiler shall not exceed 14.4 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
33. If solid fuel or liquid fuel is used for a period of less than 24 hours (except for fuel switch over periods), the hourly emission limitations for NO_x, CO, and SO_x shall be determined by averaging the recording points from the continuous emission monitoring system taken during that time period. [District NSR Rule] Federally Enforceable Through Title V Permit
34. Upon recommencing operation, performance testing for the NO_x, CO, VOC, SO_x, and PM₁₀ shall be conducted on an annual basis for combustion of solid fuels. [District NSR Rule & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
35. Performance testing for NO_x, SO_x, VOC, CO, and PM₁₀ shall also be performed for combustion of fuel oil in any year that the fuel oil consumption rate exceeds 242,900 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
36. Performance testing shall be conducted using following test methods; for NO_x EPA Methods 1-4 and 7E or ARB Method 100; for SO_x EPA Methods 1-4 and 6 or 6C or 8 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM₁₀ EPA Method 201A in combination with EPA Method 202 or ARB Method 501 in combination with ARB Method 5 and EPA Method 5 (Front half only) or CARB Method 5 (excluding ammonia sulfate compounds) for PM; and for VOC EPA Method 25 or 25A or ARB Method 100. [District Rule 4352, 6.4; District Rule 2520, 9.3.2; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
37. For performance testing, stack gas velocity and volumetric flow rate shall be measured using EPA method 2 or CARB method 2, stack gas oxygen shall be measured using EPA methods 3 or 3A or CARB method 100, and stack gas moisture content shall be measured using EPA method 4 or CARB method 4. [District NSR Rule] Federally Enforceable Through Title V Permit
38. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved test methods. [District Rule 1081, 3.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
39. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
40. Performance testing shall be witnessed or authorized District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
41. Performance testing for hourly emission rates for NO_x, CO, VOC, SO_x, and PM₁₀ shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
42. In lieu of performing a source test for PM₁₀, the results of the total particulate test may be used for compliance with the PM₁₀ emissions limit. [District NSR Rule] Federally Enforceable Through Title V Permit
43. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO_x, SO₂, CO, and O₂ concentrations. For NO_x, SO₂, CO, and O₂ concentrations sampling, analyzing, and data recording cycle shall be completed every successive 15 minute period. For exhaust gas Opacity sampling and analyzing cycle shall be completed every successive 10 second period and data recording cycle shall be completed every successive 6 minute period. [District NSR Rule; District Rule 1080, 4.0; 40 CFR 64.3; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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44. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. For purposes of annual Relative Accuracy Audit Testing, the applicable standards are 0.29 lb/MMBtu for SOx and 0.6 lb/MMBtu for NOx. [District Rule 1080, 6.5; 40 CFR 64.3; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
45. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR 64.3 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
46. 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
47. Upon recommencing operation, records of continuous emissions monitoring system 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 64.9 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
48. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
49. 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, 9.5.1; District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
50. 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 SOx or NOx as measured by CEM system exceeds the SOx and NOx maximum emission limits set forth for each the pollutants in this permit except for the SOx and NOx 3-hour emission limits during normal startup or shutdown or during fuel switching. [District Rule 1080, 9.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
51. 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
52. 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
53. 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
54. 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
55. Upon recommencing operation, 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
56. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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57. 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
58. The operator shall record hours of operation of circulating fluidized bed boiler and daily amounts of each solid fuel and fuel oil fired. Such records shall be kept on the premises for District inspection. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
59. An ultimate analysis for each stock of fuel received (both solid fuels and fuel oil) shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include sulfur content of the fuel received. [District NSR Rule and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
60. Upon recommencing operation, baghouse shall be completely inspected for evidence of particulate matter leaks at least annually and whenever COM system indicates increased opacity, and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
61. Upon recommencing operation, bags shall be completely inspected annually while not in operation for tears, scuffs, abrasions 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
62. Records of baghouse 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
63. {1829} The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
64. The fuel supply line shall be physically disconnected from the startup burner serving this unit. [District Rule 4352]
65. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 4352]
66. Operator shall notify the District at least seven calendar days prior to recommencing operation of this dormant emissions unit, at which time this permit will be administratively modified to remove DEU references. [District Rule 4352]

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-16-12

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

280 MMBTU/HR CIRCULATING FLUIDIZED BED BOILER #B UTILIZING LIMESTONE INJECTION, A THERMAL DENOX SYSTEM, AND A BAGHOUSE NOTE: THIS BOILER SERVES AN ELECTRIC GENERATOR

PERMIT UNIT REQUIREMENTS

1. The total net electrical output of the Cogeneration Facility shall not exceed 50 MW and the total gross electrical output, including the parasitic use, shall not exceed 54 MW. [District NSR Rule and the California Health and Safety Code, Section 42314] Federally Enforceable Through Title V Permit
2. The operator shall install, continuously operate, and maintain limestone injection for control of SOx emissions. A Selective Non-Catalytic Reduction system utilizing ammonia injection shall be incorporated within the boiler at a point where a temperature range of 1500-1700 °Fahrenheit is provided during normal operations. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
3. The boiler shall be equipped with automatic air/fuel ratio control system. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The flue gas from the combustor shall be vented through the fabric filter at all times (including the soot blowing periods). [District NSR Rule] Federally Enforceable Through Title V Permit
5. The flue gas temperature entering the fabric filter shall be maintained at 50 °Fahrenheit or above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule and 40 CFR 64.3] Federally Enforceable Through Title V Permit
7. Upon recommencing operation, the differential pressure across the fabric filter bags shall be maintained between 2" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Replacement bags numbering at least 10% of the total number of bags in the largest fabric filter using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The fabric filter shall have a maximum effective air to cloth ratio of 4.2:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The fabric filter filtering media shall be P84 Felt type or an equivalent approved by the Air Pollution Control Officer (APCO) in writing. Written approval from the APCO shall be maintained on-site. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The fabric filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Material removed from the fabric filter shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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13. The bottom ash from the bed and the fly ash from the economizer shall be transferred to their pertinent silo via a totally air tight pneumatic transfer system. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The boiler may be fired on Western United States Coal, Canadian Coal, Petroleum Coke, or tire derived fuel. The boiler may also fire on fuel oil #2, or natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The fuel switch over period is defined as the time the boiler is switched from solid fuel to fuel oil #2 for a period not to exceed 3 consecutive hours per occurrence. At the end of the three hour time limit, if the boiler continues to fire on fuel oil, then the fuel oil #2 emission limits for NO_x, and CO will be enforced. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The amount of tire derived fuel used in the boiler shall not exceed 11% by weight of the total solid fuels used at any one time. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Natural gas or fuel oil #2 shall be used during start-up to heat the boiler to solid fuel ignition temperature throughout the combustor before feeding any solid fuel. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
18. The maximum rate at which fuel oil #2 may be consumed in the boiler shall be limited to 170,000,000 Btu/hr. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
19. The average sulfur content of the fuel oil #2 shall not exceed 0.2 percent by weight on a monthly basis. The sulfur content of the fuel oil #2 shall not exceed 0.25 percent by weight at any time. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
20. The 3-hour averaging NSR emission limits of this permit shall not apply during startup and shutdown periods as defined in District Rule 4352 - "Solid Fuel Fired Boilers, Steam Generators, and Process Heaters." [District NSR Rule and District Rule 4352] Federally Enforceable Through Title V Permit
21. No gases which exhibit greater than 20% opacity (6 minute average), except for one 6 minute period per hour of not more than 27% opacity shall be discharged into the atmosphere from this boiler. [40 CFR 60.42a(b)] Federally Enforceable Through Title V Permit
22. The VOC emissions from the entire stationary source shall not exceed 150 pounds during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Emissions of VOC from this boiler shall not exceed 2.5 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Emissions of Particulate Matter (PM) from this boiler shall not exceed 5 pounds per hour. [District NSR Rule & District Rules 4201 & 4301] Federally Enforceable Through Title V Permit
25. Emissions of PM₁₀ from this boiler shall not exceed 5 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Emissions of SO_x from this boiler shall not exceed 13.04 pounds per hour, based on a 24-hour rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Emissions of SO_x shall not exceed 0.29 lb/MMBtu (24-hour average) from each boiler and 26.0 lb/hr (24-hour average) or 50.0 lb/hr (3-hour average) from the stack common to both boilers. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
28. When firing on solid fuels or fuel oil #2 during fuel switch over periods, emissions of NO_x from this boiler shall be the more restrictive of all of following: 12.29 lb/hr, 0.04 lb/MMBtu (24-hour average) from each boiler and 42.0 lb/hr, 0.075 lb/MMBtu (3-hour average) from stack common to both boilers. [District NSR Rule, District Rule 4352, 5.1, and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
29. When firing on fuel oil #2, emissions of NO_x from this boiler shall not exceed 3.13 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
30. Emissions of NO_x from startup duct burners shall not exceed 0.15 lb/MMBtu (3 hour average) when firing on natural gas. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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31. When firing on solid fuels or fuel oil #2 during fuel switch over periods, emissions of CO from this boiler shall not exceed 39.58 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
32. When firing on fuel oil #2, emissions of CO from this boiler shall not exceed 14.4 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
33. If solid fuel or liquid fuel is used for a period of less than 24 hours (except for fuel switch over periods), the hourly emission limitations for NO_x, CO, and SO_x shall be determined by averaging the recording points from the continuous emission monitoring system taken during that time period. [District NSR Rule] Federally Enforceable Through Title V Permit
34. Upon recommencing operation, performance testing for the NO_x, CO, VOC, SO_x, and PM₁₀ shall be conducted on an annual basis for combustion of solid fuels. [District NSR Rule & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
35. Performance testing for NO_x, SO_x, VOC, CO, and PM₁₀ shall also be performed for combustion of fuel oil in any year that the fuel oil consumption rate exceeds 242,900 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
36. Performance testing shall be conducted using following test methods; for NO_x EPA Methods 1-4 and 7E or ARB Method 100; for SO_x EPA Methods 1-4 and 6 or 6C or 8 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM₁₀ EPA Method 201A in combination with EPA Method 202 or ARB Method 501 in combination with ARB Method 5 and EPA Method 5 (Front half only) or CARB Method 5 (excluding ammonia sulfate compounds) for PM; and for VOC EPA Method 25 or 25A or ARB Method 100. [District Rule 4352, 6.4; District Rule 2520, 9.3.2; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
37. For performance testing, stack gas velocity and volumetric flow rate shall be measured using EPA method 2 or CARB method 2, stack gas oxygen shall be measured using EPA methods 3 or 3A or CARB method 100, and stack gas moisture content shall be measured using EPA method 4 or CARB method 4. [District NSR Rule] Federally Enforceable Through Title V Permit
38. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved test methods. [District Rule 1081, 3.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
39. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
40. Performance testing shall be witnessed or authorized District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
41. Performance testing for hourly emission rates for NO_x, CO, VOC, SO_x, and PM₁₀ shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
42. In lieu of performing a source test for PM₁₀, the results of the total particulate test may be used for compliance with the PM₁₀ emissions limit. [District NSR Rule] Federally Enforceable Through Title V Permit
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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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44. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. For purposes of annual Relative Accuracy Audit Testing, the applicable standards are 0.29 lb/MMBtu for SO_x and 0.6 lb/MMBtu for NO_x. [District Rule 1080, 6.5; 40 CFR 64.3; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
45. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR 64.3 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
46. 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
47. Upon recommencing operation, records of continuous emissions monitoring system 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 64.9 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
48. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
49. 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, 9.5.1; District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
50. 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 except for the SO_x and NO_x 3-hour emission limits during normal startup or shutdown or during fuel switching. [District Rule 1080, 9.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
51. 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
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58. The operator shall record hours of operation of circulating fluidized bed boiler and daily amounts of each solid fuel and fuel oil fired. Such records shall be kept on the premises for District inspection. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
59. An ultimate analysis for each stock of fuel received (both solid fuels and fuel oil) shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include sulfur content of the fuel received. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
60. Upon recommencing operation, baghouse shall be completely inspected for evidence of particulate matter leaks at least annually and whenever COM system indicates increased opacity, and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
61. Upon recommencing operation, bags shall be completely inspected annually while not in operation for tears, scuffs, abrasions 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
62. Records of baghouse 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
63. {1829} The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
64. The fuel supply line shall be physically disconnected from the startup burner serving this unit. [District Rule 4352]
65. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 4352]
66. Operator shall notify the District at least seven calendar days prior to recommencing operation of this dormant emissions unit, at which time this permit will be administratively modified to remove DEU references. [District Rule 4352]

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: N-645-20-5

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:
EMERGENCY COAL/COKE FEED HOPPER

DRAFT

PERMIT UNIT REQUIREMENTS

1. 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
2. The fuel discharge into the feed hopper shall be maintained adequately moist to prevent excessive fugitive particulate matter emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The emergency feed system shall only be used during the breakdown of the main coal/coke transfer system or for coal/coke testing, and shall consist of a temporary hopper and conveyor, or the tire-derived fuel (TDF) feed system. The use of the emergency feed and the coal/coke testing system shall not exceed 24 consecutive hours per breakdown occurrence or fuel test. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The daily throughput shall not exceed 2,400 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain a log consisting of the dates and duration of hours of emergency feed system usage and daily throughput of all materials during each use. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-23-5

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:
20,000 TON EMERGENCY COAL/COKE STOCKPILE

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PERMIT UNIT REQUIREMENTS

1. A mobile water spray shall be used to prevent fugitive emissions while forming the emergency stockpile. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The emergency stockpile shall be sealed immediately following compaction. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The total time needed for forming, compacting, and sealing the emergency stockpile shall not exceed three weeks. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Any reclaiming from the stockpile shall be limited to emergency circumstances. An interruption in coal/coke supply lasting more than 4 days shall constitute an emergency circumstance. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The emergency stockpile shall not contain more than 20,000 tons at any time. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Permittee shall maintain a log consisting amount of coal/coke stockpiled on continuous basis and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-24-11

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

79 MMBTU/HR NEBRASKA MODEL #NS-E-57 AUXILIARY BOILER EQUIPPED WITH A LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)

PERMIT UNIT REQUIREMENTS

1. No modification to this unit shall be performed without an Authority to Construct for such modifications(s), except for changes specified in conditions below. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The fuel supply line shall be physically disconnected from this unit. [District Rule 4305] Federally Enforceable Through Title V Permit
3. This equipment shall not be operated for any reason until an Authority to Construct permit is issued approving all necessary retrofits required to comply with the applicable requirements of District Rule 4306 and all other applicable District regulations. [District Rule 4306] Federally Enforceable Through Title V Permit
4. Upon recommencing operation, the auxiliary boiler shall only be operated when both circulating fluidized bed boilers (N-645-14 & N-645-16) are shut down except for the switching over period which shall not exceed 16 hours for each event. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
5. Upon recommencing operation, this boiler shall only be fired on natural gas or fuel oil #2. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
6. Fuel oil #2 shall only be used during a natural gas curtailment for a period not to exceed 336 cumulative hours during any one calendar year plus 48 cumulative hours during any one calendar year for equipment testing and maintenance. [District Rule 4305] Federally Enforceable Through Title V Permit
7. Maintain a log of the cumulative annual hours of operation on #2 fuel oil during natural gas curtailment and during testing. [District Rule 4305] Federally Enforceable Through Title V Permit
8. The sulfur content of the fuel oil shall not exceed .25% by weight for any single delivery. The average sulfur content of the fuel oil used shall not exceed .20% by weight during any 30 day period. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Upon recommencing operation, an analysis for each lot of fuel oil received shall be maintained on the premise at all times and shall be made available for District inspection upon request. The analysis shall include the sulfur and nitrogen content of the fuel oil. The sulfur content shall be determined using ASTM method D 2880-71. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. NOx emissions concentration shall not exceed 30 ppmv, dry, @ 3% O2 or 0.036 lbs/MMBtu when fired on gaseous fuels. The source test plan shall identify which basis will be used to demonstrate compliance. [District Rule 4305 and District NSR Rule] Federally Enforceable Through Title V Permit
11. CO emissions concentration shall not exceed 400 ppmv, dry, @ 3% O2 when fired on gaseous fuels. [District Rule 4305 and District NSR Rule] Federally Enforceable Through Title V Permit
12. Upon recommencing operation, the emission concentration shall not exceed the following: 0.0028 lbs/MMBtu for VOC; 0.014 lbs/MMBtu for PM10; and 0.0028 lbs/MMBtu for SOx when combusting natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Upon recommencing operation, the emission concentration shall not exceed the following: 0.106 lbs/MMBtu for NO_x; 0.038 lbs/MMBtu for CO; 0.0014 lbs/MMBtu for VOC; 0.0143 lbs/MMBtu for PM₁₀; and 0.27 lbs/MMBtu for SO_x when combusting fuel oil #2. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301] Federally Enforceable Through Title V Permit
15. Source testing to measure NO_x and CO emissions for natural gas combustion shall be conducted within 60 days of recommencing operation of this unit. [District Rule 4305] Federally Enforceable Through Title V Permit
16. Upon recommencing operation, performance testing for the NO_x and CO emissions shall be conducted as required by Rule 4305 (Boilers, Steam Generators, and Process Heaters). [District Rule 4305 and District NSR Rule] Federally Enforceable Through Title V Permit
17. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0] Federally Enforceable Through Title V Permit
18. Performance testing shall be witnessed or authorized by the District personal. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.1, 7.2, & 7.3] Federally Enforceable Through Title V Permit
19. Performance testing shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081- "Source Sampling" section 6.0. [District Rule 1081, 6.0] Federally Enforceable Through Title V Permit
20. EPA Method 7E or CARB Method 100 shall be used to determine the concentration of oxides of nitrogen, measured as NO₂. [District Rule 4305] Federally Enforceable Through Title V Permit
21. EPA Method 10 or CARB Method 100 shall be used to determine the concentration of carbon monoxide. [District Rule 4305] Federally Enforceable Through Title V Permit
22. EPA Method 3 or 3a, or CARB Method 100 shall be used to determine the stack gas oxygen. [District Rule 4305] Federally Enforceable Through Title V Permit
23. Upon recommencing operation, the stack concentration of NO_x (as NO₂), CO, and O₂ shall be measured and recorded at least on a monthly basis using a Testo 350 portable emission analyzer, or other District approved portable emission analyzer. [District Rule 4305 and District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of the date and time of NO_x, CO, and O₂ measurements, the measured NO₂ and CO concentrations corrected to 3% O₂, and the O₂ concentration. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be retained at the facility for a period of no less than 5 years and shall be made available for District inspection upon request. [District Rule 4305 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. If the NO_x or CO concentrations, as measured by the Testo 350 or other District approved portable emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emissions limits. [District Rule 4305 and District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
26. The portable emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
27. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305 and 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.

28. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
30. Upon recommencing operation, owner or operator shall not discharge or cause the discharge into the atmosphere SO₂ in excess of 26.0 lb/hr (24-hour average) or 50 lb/hr (3-hour average) from the auxiliary boiler. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
31. Upon recommencing operation, owner or operator shall not discharge or cause the discharge into the atmosphere NO_x (as NO₂) in excess of 24.7 lb/hr (3-hour average) from the auxiliary boiler. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
32. Operator shall record and maintain the hours of auxiliary boiler operation and amounts and type of fuel fired. [PSD ATC SJ 85-05 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-29-3

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

200 BHP DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A COMPRESSOR

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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. The engine shall be operated with the timing retarded four degrees relative to manufacturer standard recommended timing. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The permittee shall submit in writing to the District a written report indicating the standard factory timing, the actual standard timing, date and person performing the timing adjustment. [District NSR Rule] Federally Enforceable Through Title V Permit
4. On annual basis, the permittee shall provide the District with a written proof of the engine timing as determined by a competent person. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this engine shall not exceed 10 g-NOx/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] 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. 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. 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 calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. 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
11. 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
12. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] 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.

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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 Rules 4702 and 2520, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. 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 Rules 2520 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 4702 and 2520 and 17 CCR 93115] Federally Enforceable Through Title V Permit
16. The engine shall only be operated when both circulating fluidized bed boilers are shut down except for brief periods for testing and maintenance which shall not exceed more than 100 hours per year. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
17. The operator shall maintain daily records of hours of compressor operation (regular and maintenance hours) and amount & sulfur content (using ASTM Method D-2880) of fuel fired. Such records shall be made available for District inspection upon request. [PSD ATC SJ 85-05] 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: N-645-31-3

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

FLY ASH REINJECTION SYSTEM VENTED THROUGH THE BOILER BAGHOUSE OR THE ASH SILO VENT FILTER

PERMIT UNIT REQUIREMENTS

1. The ash pneumatic conveying system shall be enclosed whenever in operation, and vented only through the boiler baghouse or the ash silo vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The fly ash reinjected shall not exceed 40 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Permittee shall record amount of fly ash reinjected on daily basis. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-33-4

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

355 BHP CUMMINS MODEL #NT855-G2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE 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. Emissions from this engine shall not exceed any of the following limits: 262.7 lb-NOx/day, 17.5 lb-SOx/day, 18.4 lb-PM10/day, 56.9 lb-CO/day, or 21 lb-VOC/day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. 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
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. 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 Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. 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
8. 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
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. 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 Rules 4702 and 2520, and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 4702 and 2520, and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The generator shall only be operated when both circulating fluidized bed boilers are shut down except for brief periods for testing and maintenance which shall not exceed more than 100 hours per year. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
14. The operator shall maintain records of hours of engine operation (regular and maintenance hours) and amount & sulfur content (using ASTM Method D-2880) of fuel fired. Such records shall be made available for District inspection upon request. [PSD ATC SJ 85-05] 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: N-645-34-3

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:
43,000 GALLONS PER MINUTE COOLING TOWER

PERMIT UNIT REQUIREMENTS

1. The VOC emissions from the cooling tower shall not exceed 28.5 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Permittee shall maintain a log recording the amount of VOC containing material added each day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A list of materials added to the cooling tower and their VOC content shall be kept and made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
4. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-35-5

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

RECLAIMED COAL/COKE RECEIVING AND CONVEYING OPERATION WITH A RECEIVING PIT SERVED BY DUST COLLECTORS AND AN EMERGENCY COAL/COKE STORAGE OPERATION NOTE: THIS PERMIT UNIT CONVEYS COAL/COKE TO THE MAIN 2,500 TON STORAGE SILO VIA N-645-2

PERMIT UNIT REQUIREMENTS

1. 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
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. All feeding through the grizzly into the underground hopper shall be maintained in a choked flow condition at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate emissions from the discharge of the feeder shall be controlled by fabric filters with woven fiberglass bags with a PTFE membrane finish, or an equivalent approved by the APCO. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Particulate emissions from the conveyor transfer point shall be controlled by a fabric filter with woven fiberglass bags with a PTFE membrane finish, or an equivalent approved by the APCO. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The fabric filters shall have a maximum effective air to cloth ratio of 4.5 : 1 each and shall be equipped with an automatic pulse jet cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
7. There shall be no visible emissions from the fabric filters. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Visible emissions from the baghouse shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day that the baghouse is operated. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2 and 40 CFR 64.3] Federally Enforceable Through Title V Permit
9. 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
10. 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
11. 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
12. The differential pressure across the bags shall be maintained between 1" and 8" water column. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All transfer points shall be totally enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The conveyor belts shall be covered. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Under no circumstance shall the existing truck dump station and the new receiving system (bulldozer pushing coal/coke from stockpile to grizzly) operate simultaneously. [District Rule 2201] Federally Enforceable Through Title V Permit
16. When receiving system is used for transporting coal/coke to an emergency stockpile, it shall be done via a movable plough with flexible chutes. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The emissions from the emergency stockpile shall be controlled with a mobile water spray and a stockpile sealing system. [District Rule 2201] Federally Enforceable Through Title V Permit
18. The fabric filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
19. A spare set of each type of bags shall be maintained on the premises at all times. The number of bags shall be sufficient to provide full replacement bags for the largest fabric filter using each type of bags. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The quantity of material handled shall not exceed 2,880 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
21. PM10 emissions shall not exceed 0.0015 pounds per ton of material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Bags 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
24. Records of baghouse 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
25. The differential pressure across each compartment of the bags shall be checked and the results recorded daily. If the differential pressure across each compartment of the bags is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2 and 40 CFR 64.3] 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

San Joaquin Valley Air Pollution Control District

FACILITY: N-645-0-2

EXPIRATION DATE: 11/30/2010

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; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (3/21/02). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: DTE STOCKTON, LLC
Location: 2528 W. WASHINGTON STREET, STOCKTON, CA 95203
N-645-0-2: Mar 1 2011 5:08PM - KAHLOWJ

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards of District Rule 4601 (10/31/01) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (10/31/01) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (10/31/01). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.1.6] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), and Rule 111 (Kern, Tulare, Kings). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (11/15/01); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (10/31/01); 8021 (11/15/01); 8031 (11/15/01); 8041 (11/15/01); 8051 (11/15/01); 8061 (11/15/01); and 8071 (11/15/01). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin April 14th of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-2-5

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

COAL/COKE RECEIVING, HANDLING AND STORAGE CONSISTING OF: A TRUCK DUMP HOPPER CONTROLLED WITH WATER SPRAYS, A SILO FEED CONVEYOR VENTED TO A DUST COLLECTOR, AND A 2,500 TON STORAGE SILO VENTED TO A BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Replacement bags numbering at least 10% of the total number of bags in the baghouse shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The differential pressure across each compartment of the baghouse on Tower 20 shall be maintained between 1" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The silo shall be totally enclosed except for vents through a baghouse. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The baghouse shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The PM10 emissions from storage silo shall not exceed 0.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Operational water sprays shall be maintained on both sides of both receiving hoppers and at all other transfer points. [District NSR Rule] Federally Enforceable Through Title V Permit
10. All conveyor transfer points shall be enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit
11. For truck unloading, the ratio of surface active agent to water shall be no less than 1:3500 by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
12. For truck unloading, the solution supply at the inlet to the nozzles shall be equipped with an operational flow meter. The flow meter shall have a totalizer. [District NSR Rule] Federally Enforceable Through Title V Permit
13. The sprays control system for truck unloading shall be operated so as to limit fugitive and visible emissions. Whenever visible fugitive dust emissions are observed the spray system shall immediately be turned on, and remain on throughout the truck unloading operation. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The receiving hoppers shall be maintained at the full level at all times. The belt shall be stopped automatically as soon as the dump truck is empty and the flow of the material to the receiving hoppers has ceased. [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.

15. Coal/coke shall be choke fed into the receiving hoppers at all times, except for immediately after the start of unloading. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The coal/coke dumping process shall be limited to bottom dump trucks with automatic discharge gates. The discharge gates shall be open to the maximum opening position to assist in choke feeding. [District NSR Rule] Federally Enforceable Through Title V Permit
17. All conveyors shall be covered. [District NSR Rule] Federally Enforceable Through Title V Permit
18. When spray system is being used, a minimum of 2.5 gallons of wetting solution shall be sprayed per ton of coal/coke unloaded at the coal/coke station. This condition does not apply to coal/coke received through the rail car unloading system. [District NSR Rule] Federally Enforceable Through Title V Permit
19. The PM10 emissions from the truck dump hopper controlled with water sprays shall not exceed 0.5 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
20. The baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Bags 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
22. Records of baghouse 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
23. Visible emissions from the truck dump hopper, the silo feed conveyor, and the baghouse controlling the storage silo shall be checked and the results recorded annually. If visible emissions are observed, corrective action is required prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
24. The differential pressure across each compartment of the baghouse on Tower 20 shall be checked and the results recorded annually. If the differential pressure across each compartment of the baghouse is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
25. Records of the surface active agent to water ratio for truck unloading shall be maintained. The records shall include date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
26. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
27. Permittee shall monitor the wetting solution spray rate during truck unloading at least quarterly and permittee shall also inspect weekly for spray nozzles malfunction and repair as needed. [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: N-645-3-5

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

BOILER #A COAL/COKE FEED SYSTEM CONSISTING OF: A 100 TON DAY BIN; A 20 TON SURGE BIN AND MAIN ELEVATOR SYSTEM; A DRYER, DRYER ELEVATOR, AND CONVEYING SYSTEMS; AND A SPLITTER SCALPER SERVED BY THE SURGE BIN ALL VENTED TO BAGHOUSES OR THE BOILER

PERMIT UNIT REQUIREMENTS

1. The surge bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The day bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The bin vent dust collectors shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The differential pressure across each compartment of the baghouse on Tower A shall be maintained between 1" and 10" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from the dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The dust collectors shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The surge bin daily throughput shall not exceed 1,200 tons of solid fuel in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The solid fuel scalper/splitter screens shall be totally enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The PM10 emissions from the scalper/splitter shall not exceed 8.3E-5 pounds per ton of solid fuel processed. [District NSR Rule] Federally Enforceable Through Title V Permit
11. There shall be no visible emissions from the all conveyors and transfer points. [District NSR Rule] Federally Enforceable Through Title V Permit
12. The dryer exhaust shall be ducted to the boilers' freeboard. [District NSR Rule] Federally Enforceable Through Title V Permit
13. All transfer points in the dryer feed and discharge shall be totally enclosed and non-vented. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The coal/coke processed in the two dryers of N-645-3 and N-645-4 shall not exceed 700 tons in any one day. [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.

15. Permittee shall maintain records indicating the amount of solid fuel processed through the dryers, and the amount of solid fuel transported from the surge bin on daily basis. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
16. Dust collector system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust 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
18. Records of dust collector system 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
19. Visible emissions from the day bin, surge bin and main elevator system, the dryer, the dryer elevator, and the splitter scalper, shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
20. The differential pressure across each compartment of the baghouse on Tower A shall be checked and the results recorded annually. If the differential pressure across each compartment of the bin vent dust collectors is not between 1" and 10" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] 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: N-645-4-5

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

BOILER #B COAL/COKE FEED SYSTEM CONSISTING OF: A 100 TON DAY BIN; A 20 TON SURGE BIN AND MAIN ELEVATOR SYSTEM; THE DRYER, DRYER ELEVATOR, AND CONVEYING SYSTEMS; AND A SPLITTER SCALPER SERVED BY THE SURGE BIN ALL VENTED TO BAGHOUSES OR THE BOILER

PERMIT UNIT REQUIREMENTS

1. The surge bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The day bin shall be enclosed and vented through a bin vent dust collector. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The bin vent dust collectors shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The differential pressure across each compartment of the baghouse on Tower B shall be maintained between 1" and 10" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
5. Replacement bags numbering at least 10% of the total number of bags in the largest dust collector using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Material removed from the dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The dust collectors shall have a maximum effective air to cloth ratio of 4.5:1, and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The surge bin daily throughput shall not exceed 1,200 tons of solid fuel in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The solid fuel scalper/splitter screens shall be totally enclosed. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The PM10 emissions from the scalper/splitter shall not exceed 8.3E-5 pounds per ton of solid fuel processed. [District NSR Rule] Federally Enforceable Through Title V Permit
11. There shall be no visible emissions from the all conveyors and transfer points. [District NSR Rule] Federally Enforceable Through Title V Permit
12. The dryer exhaust shall be ducted to the boilers' freeboard. [District NSR Rule] Federally Enforceable Through Title V Permit
13. All transfer points in the dryer feed and discharge shall be totally enclosed and non-vented. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The coal/coke processed in the two dryers of N-645-3 and N-645-4 shall not exceed 700 tons in any one day. [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.

15. Permittee shall maintain records indicating the amount of solid fuel processed through the dryers, and the amount of solid fuel transported from the surge bin on daily basis. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
16. Dust collector system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Dust 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
18. Records of dust collector system 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
19. Visible emissions from the day bin, surge bin and main elevator system, the dryer, the dryer elevator, and the splitter scalper, shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
20. The differential pressure across each compartment of the baghouse on Tower B shall be checked and the results recorded annually. If the differential pressure across each compartment of the bin vent dust collectors is not between 1" and 10" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] 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: N-645-7-8

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

COAL/COKE CONVEYING SYSTEM SERVED BY THE 2,500 TON MAIN STORAGE SILO AND SERVING THE DAY BINS FOR BOILERS #A & #B, THE SYSTEM INCLUDES: A CRUSHER BUILDING CONTAINING TWO CRUSHERS AND SCREENS, A COAL/COKE TDF TRUCK UNLOADING SYSTEM, AND ASSOCIATED CONVEYING EQUIPMENT VENTED TO A BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. The conveyor belts shall be covered. [District Rule 2201] Federally Enforceable Through Title V Permit
2. All transfer points, except the tire derived fuel handling operation, shall be totally enclosed and vented through the fabric filter serving the day bins. The conveyors, conveyor transfer points, and the unloading hoppers of the tire derived fuel receiving and handling operation shall be covered or enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
3. There shall be no visible emissions from the solid fuel transfer points. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The differential pressure across each compartment of the baghouses on the coal crusher building and coal silo shall be maintained between 1" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Material removed from dust baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Visible emissions from the baghouse shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The coal/coke crusher shall be totally enclosed except for vents through a baghouse. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The amount of coal/coke handled, including the crushing operation, shall not exceed 2,400 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The amount of tire-derived fuel received and handled shall not exceed 59.3 tons during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. PM10 emissions from the tire-derived fuel receiving and handling operation shall not exceed 0.00055 pounds per ton of tire-derived fuel received. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The combined amount of coal and coke received and handled via the tire-derived fuel truck receiving and handling system shall not exceed 410 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. PM10 emissions from the coal or coke processed through the tire-derived fuel truck receiving and handling operation shall not exceed 0.0012 pounds per ton of coal or coke received. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Permittee shall maintain the records indicating the amount of each type of solid fuel handled on daily basis. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
17. Bags shall be completely inspected quarterly 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
18. Records of baghouse 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
19. Visible emissions from the from the main storage silo, the day bins, the two crushers and screens, the coal/coke TDF truck unloading equipment, and associated conveying equipment, shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
20. The differential pressure across each compartment of the baghouses on the coal crusher building and coal silo shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the baghouse is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
21. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
22. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.3 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-8-4

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

LIMESTONE RECEIVING SILO #1 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Limestone shall be received through direct coupled pneumatic unloading truck. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The fabric filters shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filter baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. The differential pressure across each compartment shall be maintained between 1" and 8" water column. [District NSR Rule and 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Fabric collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. 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
10. Records of fabric collector system 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
11. Visible emissions from the the limestone receiving silo shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The differential pressure across each compartment of the fabric filter baghouse shall be checked and the results recorded annually. If the differential pressure across each compartment of the fabric filters is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
14. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-9-4

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

LIMESTONE RECEIVING SILO #2 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Limestone shall be received through direct coupled pneumatic unloading truck. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The fabric filters shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The differential pressure across the fabric filters baghouse shall be maintained between 1" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. A spare set of each type of bags shall be maintained on the premises at all times. [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 leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Fabric collector filters shall be completely inspected annually while not in operation for tears, scuffs, abrasives or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Records of fabric collector system 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
12. Visible emissions from the the limestone receiving silo shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. The differential pressure across each compartment of the fabric filters shall be checked and the results recorded annually. If the differential pressure across each compartment of the fabric filters is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
14. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
15. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-10-4

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

3.5 TON LIMESTONE/DAY TANK #1 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The bin vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. The differential pressure across each compartment shall be maintained between 1" and 8" water column. [District NSR Rule and 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Limestone shall be transferred through a totally air tight pneumatic transfer system, only. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions from the vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Vent filter system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Vent 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
9. Records of vent filter system 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
10. Visible emissions from the the limestone/day tank shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The differential pressure across each compartment of the bin vent filter shall be checked and the results recorded annually. If the differential pressure across each compartment of the fabric filters is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-11-4

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

3.5 TON LIMESTONE/DAY TANK #2 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

PERMIT UNIT REQUIREMENTS

1. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The bin vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. The differential pressure across each compartment shall be maintained between 1" and 8" water column. [District NSR Rule and 2520, 9.3.2] Federally Enforceable Through Title V Permit
3. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Limestone shall be transferred through a totally air tight pneumatic transfer system, only. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
6. There shall be no visible emissions from the vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Vent filter system shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Vent 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
9. Records of vent filter system 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
10. Visible emissions from the the limestone/day tank shall be checked and the results recorded annually. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The differential pressure across each compartment of the bin vent filter shall be checked and the results recorded annually. If the differential pressure across each compartment of the vent filter is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] 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: N-645-12-4

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

ASH STORAGE AND TRUCK LOADOUT CONSISTING OF ONE 900 TON FLY ASH SILO AND ONE 500 TON BOTTOM ASH SILO ALL VENTED TO BAGHOUSES

PERMIT UNIT REQUIREMENTS

1. The bottom ash from the boiler and the fly ash from the baghouse and the economizer shall be transferred to the storage silo only through a totally air tight pneumatic transfer system. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Particulate matter emissions from ash being loaded into trucks shall be mitigated by loading trucks through a telescopic spout or by water sprays. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The emissions of the loadout point shall be vented through the ash storage silos. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The ash storage silos shall be totally air tight and only vented through a fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The differential pressure across each compartment of the baghouses on the fly ash storage silo and unloading, and bottom ash storage silo and unloading shall be maintained between 1" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The fabric filter shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The water sprays shall be turned on prior to start-up of truck loading activities and shall remain on throughout the process. [District NSR Rule] Federally Enforceable Through Title V Permit
10. All water sprays shall be maintained in good working condition. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The particulate matter emissions shall not exceed 0.1 gr/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
12. Ash production shall not exceed 120 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Permittee shall maintain a daily ash production log on the premises, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
14. Baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [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.

15. Bags 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
16. Records of baghouse 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
17. Visible emissions from the baghouse shall be checked and the results recorded quarterly. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. If visible emissions cannot be corrected within 24 hours, a visible emissions test shall be conducted by a trained observer using EPA method 9 within 72 hours. A record of the results of these observations shall be maintained. Such records shall include the observer's name and affiliation, the date, time, sky condition, and the observer's location relative to the source. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
18. The differential pressure across each compartment of the baghouses on the fly ash storage silo and unloading, and bottom ash storage silo and unloading shall be checked and the results recorded quarterly. If the differential pressure across each compartment of the baghouse is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
19. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 tons per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
20. Permittee shall monitor the water spray rate during truck loading to mitigate particulate matter emissions at least quarterly and permittee shall also inspect weekly for spray nozzles malfunction and repair as needed. [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: N-645-14-13

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

MODIFICATION OF 280 MMBTU/HR CIRCULATING FLUIDIZED BED BOILER #A UTILIZING LIMESTONE INJECTION, A THERMAL DENOX SYSTEM, AND A BAGHOUSE NOTE: THIS BOILER SERVES AN ELECTRIC GENERATOR:

PERMIT UNIT REQUIREMENTS

1. The total net electrical output of the Cogeneration Facility shall not exceed 50 MW and the total gross electrical output, including the parasitic use, shall not exceed 54 MW. [District NSR Rule and the California Health and Safety Code, Section 42314] Federally Enforceable Through Title V Permit
2. The operator shall install, continuously operate, and maintain limestone injection for control of SOx emissions. A Selective Non-Catalytic Reduction system utilizing ammonia injection shall be incorporated within the boiler at a point where a temperature range of 1500-1700 °Fahrenheit is provided during normal operations. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
3. The boiler shall be equipped with automatic air/fuel ratio control system. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The flue gas from the combustor shall be vented through the fabric filter at all times (including the soot blowing periods). [District NSR Rule] Federally Enforceable Through Title V Permit
5. The flue gas temperature entering the fabric filter shall be maintained at 50 °Fahrenheit or above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule and 40 CFR 64.3] Federally Enforceable Through Title V Permit
7. Upon recommencing operation, the differential pressure across the fabric filter bags shall be maintained between 2" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Replacement bags numbering at least 10% of the total number of bags in the largest fabric filter using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The fabric filter shall have a maximum effective air to cloth ratio of 4:2:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The fabric filter filtering media shall be P84 Felt type or an equivalent approved by the Air Pollution Control Officer (APCO) in writing. Written approval from the APCO shall be maintained on-site. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The fabric filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Material removed from the fabric filter shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit

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

13. The bottom ash from the bed and the fly ash from the economizer shall be transferred to their pertinent silo via a totally air tight pneumatic transfer system. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The boiler may be fired on Western United States Coal, Canadian Coal, Petroleum Coke, or tire derived fuel. The boiler may also fire on fuel oil #2, or natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The fuel switch over period is defined as the time the boiler is switched from solid fuel to fuel oil #2 for a period not to exceed 3 consecutive hours per occurrence. At the end of the three hour time limit, if the boiler continues to fire on fuel oil, then the fuel oil #2 emission limits for NO_x, and CO will be enforced. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The amount of tire derived fuel used in the boiler shall not exceed 11% by weight of the total solid fuels used at any one time. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Natural gas or fuel oil #2 shall be used during start-up to heat the boiler to solid fuel ignition temperature throughout the combustor before feeding any solid fuel. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
18. The maximum rate at which fuel oil #2 may be consumed in the boiler shall be limited to 170,000,000 Btu/hr. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
19. The average sulfur content of the fuel oil #2 shall not exceed 0.2 percent by weight on a monthly basis. The sulfur content of the fuel oil #2 shall not exceed 0.25 percent by weight at any time. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
20. The 3-hour averaging NSR emission limits of this permit shall not apply during startup and shutdown periods as defined in District Rule 4352 - "Solid Fuel Fired Boilers, Steam Generators, and Process Heaters." [District NSR Rule and District Rule 4352] Federally Enforceable Through Title V Permit
21. No gases which exhibit greater than 20% opacity (6 minute average), except for one 6 minute period per hour of not more than 27% opacity shall be discharged into the atmosphere from this boiler. [40 CFR 60.42a(b)] Federally Enforceable Through Title V Permit
22. The VOC emissions from the entire stationary source shall not exceed 150 pounds during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Emissions of VOC from this boiler shall not exceed 2.5 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Emissions of Particulate Matter (PM) from this boiler shall not exceed 5 pounds per hour. [District NSR Rule & District Rules 4201 & 4301] Federally Enforceable Through Title V Permit
25. Emissions of PM₁₀ from this boiler shall not exceed 5 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Emissions of SO_x from this boiler shall not exceed 13.04 pounds per hour, based on a 24-hour rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Emissions of SO_x shall not exceed 0.29 lb/MMBtu (24-hour average) from each boiler and 26.0 lb/hr (24-hour average) or 50.0 lb/hr (3-hour average) from the stack common to both boilers. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
28. When firing on solid fuels or fuel oil #2 during fuel switch over periods, emissions of NO_x from this boiler shall be the more restrictive of all of following: 12.29 lb/hr, 0.04 lb/MMBtu (24-hour average) from each boiler and 42.0 lb/hr, 0.075 lb/MMBtu (3-hour average) from stack common to both boilers. [District NSR Rule, District Rule 4352, 5.1, and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
29. When firing on fuel oil #2, emissions of NO_x from this boiler shall not exceed 3.13 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
30. Emissions of NO_x from startup duct burners shall not exceed 0.15 lb/MMBtu (3 hour average) when firing on natural gas. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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31. When firing on solid fuels or fuel oil #2 during fuel switch over periods, emissions of CO from this boiler shall not exceed 39.58 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
32. When firing on fuel oil #2, emissions of CO from this boiler shall not exceed 14.4 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
33. If solid fuel or liquid fuel is used for a period of less than 24 hours (except for fuel switch over periods), the hourly emission limitations for NO_x, CO, and SO_x shall be determined by averaging the recording points from the continuous emission monitoring system taken during that time period. [District NSR Rule] Federally Enforceable Through Title V Permit
34. Upon recommencing operation, performance testing for the NO_x, CO, VOC, SO_x, and PM₁₀ shall be conducted on an annual basis for combustion of solid fuels. [District NSR Rule & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
35. Performance testing for NO_x, SO_x, VOC, CO, and PM₁₀ shall also be performed for combustion of fuel oil in any year that the fuel oil consumption rate exceeds 242,900 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
36. Performance testing shall be conducted using following test methods; for NO_x EPA Methods 1-4 and 7E or ARB Method 100; for SO_x EPA Methods 1-4 and 6 or 6C or 8 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM₁₀ EPA Method 201A in combination with EPA Method 202 or ARB Method 501 in combination with ARB Method 5 and EPA Method 5 (Front half only) or CARB Method 5 (excluding ammonia sulfate compounds) for PM; and for VOC EPA Method 25 or 25A or ARB Method 100. [District Rule 4352, 6.4; District Rule 2520, 9.3.2; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
37. For performance testing, stack gas velocity and volumetric flow rate shall be measured using EPA method 2 or CARB method 2, stack gas oxygen shall be measured using EPA methods 3 or 3A or CARB method 100, and stack gas moisture content shall be measured using EPA method 4 or CARB method 4. [District NSR Rule] Federally Enforceable Through Title V Permit
38. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved test methods. [District Rule 1081, 3.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
39. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
40. Performance testing shall be witnessed or authorized District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
41. Performance testing for hourly emission rates for NO_x, CO, VOC, SO_x, and PM₁₀ shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
42. In lieu of performing a source test for PM₁₀, the results of the total particulate test may be used for compliance with the PM₁₀ emissions limit. [District NSR Rule] Federally Enforceable Through Title V Permit
43. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO_x, SO₂, CO, and O₂ concentrations. For NO_x, SO₂, CO, and O₂ concentrations sampling, analyzing, and data recording cycle shall be completed every successive 15 minute period. For exhaust gas Opacity sampling and analyzing cycle shall be completed every successive 10 second period and data recording cycle shall be completed every successive 6 minute period. [District NSR Rule; District Rule 1080, 4.0; 40 CFR 64.3; and PSD ATC SJ 85-05] 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.

44. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. For purposes of annual Relative Accuracy Audit Testing, the applicable standards are 0.29 lb/MMBtu for SO_x and 0.6 lb/MMBtu for NO_x. [District Rule 1080, 6.5; 40 CFR 64.3; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
45. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR 64.3 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
46. 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
47. Upon recommencing operation, records of continuous emissions monitoring system 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 64.9 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
48. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
49. 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, 9.5.1; District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
50. 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 except for the SO_x and NO_x 3-hour emission limits during normal startup or shutdown or during fuel switching. [District Rule 1080, 9.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
51. 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
52. 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
53. 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
54. 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
55. Upon recommencing operation, 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
56. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

57. 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
58. The operator shall record hours of operation of circulating fluidized bed boiler and daily amounts of each solid fuel and fuel oil fired. Such records shall be kept on the premises for District inspection. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
59. An ultimate analysis for each stock of fuel received (both solid fuels and fuel oil) shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include sulfur content of the fuel received. [District NSR Rule and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
60. Upon recommencing operation, baghouse shall be completely inspected for evidence of particulate matter leaks at least annually and whenever COM system indicates increased opacity, and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
61. Upon recommencing operation, bags shall be completely inspected annually while not in operation for tears, scuffs, abrasions 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
62. Records of baghouse 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
63. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
64. The fuel supply line shall be physically disconnected from the startup burner serving this unit. [District Rule 4352]
65. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 4352]
66. Operator shall notify the District at least seven calendar days prior to recommencing operation of this dormant emissions unit, at which time this permit will be administratively modified to remove DEU references. [District Rule 4352]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-16-13

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

MODIFICATION OF 280 MMBTU/HR CIRCULATING FLUIDIZED BED BOILER #B UTILIZING LIMESTONE INJECTION, A THERMAL DENOX SYSTEM, AND A BAGHOUSE NOTE: THIS BOILER SERVES AN ELECTRIC GENERATOR:

PERMIT UNIT REQUIREMENTS

1. The total net electrical output of the Cogeneration Facility shall not exceed 50 MW and the total gross electrical output, including the parasitic use, shall not exceed 54 MW. [District NSR Rule and the California Health and Safety Code, Section 42314] Federally Enforceable Through Title V Permit
2. The operator shall install, continuously operate, and maintain limestone injection for control of SOx emissions. A Selective Non-Catalytic Reduction system utilizing ammonia injection shall be incorporated within the boiler at a point where a temperature range of 1500-1700 °Fahrenheit is provided during normal operations. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
3. The boiler shall be equipped with automatic air/fuel ratio control system. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The flue gas from the combustor shall be vented through the fabric filter at all times (including the soot blowing periods). [District NSR Rule] Federally Enforceable Through Title V Permit
5. The flue gas temperature entering the fabric filter shall be maintained at 50 °Fahrenheit or above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule and 40 CFR 64.3] Federally Enforceable Through Title V Permit
7. Upon recommencing operation, the differential pressure across the fabric filter bags shall be maintained between 2" and 8" water column. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Replacement bags numbering at least 10% of the total number of bags in the largest fabric filter using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The fabric filter shall have a maximum effective air to cloth ratio of 4.2:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The fabric filter filtering media shall be P84 Felt type or an equivalent approved by the Air Pollution Control Officer (APCO) in writing. Written approval from the APCO shall be maintained on-site. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The fabric filter cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Material removed from the fabric filter shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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13. The bottom ash from the bed and the fly ash from the economizer shall be transferred to their pertinent silo via a totally air tight pneumatic transfer system. [District NSR Rule] Federally Enforceable Through Title V Permit
14. The boiler may be fired on Western United States Coal, Canadian Coal, Petroleum Coke, or tire derived fuel. The boiler may also fire on fuel oil #2, or natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The fuel switch over period is defined as the time the boiler is switched from solid fuel to fuel oil #2 for a period not to exceed 3 consecutive hours per occurrence. At the end of the three hour time limit, if the boiler continues to fire on fuel oil, then the fuel oil #2 emission limits for NO_x, and CO will be enforced. [District NSR Rule] Federally Enforceable Through Title V Permit
16. The amount of tire derived fuel used in the boiler shall not exceed 11% by weight of the total solid fuels used at any one time. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Natural gas or fuel oil #2 shall be used during start-up to heat the boiler to solid fuel ignition temperature throughout the combustor before feeding any solid fuel. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
18. The maximum rate at which fuel oil #2 may be consumed in the boiler shall be limited to 170,000,000 Btu/hr. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
19. The average sulfur content of the fuel oil #2 shall not exceed 0.2 percent by weight on a monthly basis. The sulfur content of the fuel oil #2 shall not exceed 0.25 percent by weight at any time. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
20. The 3-hour averaging NSR emission limits of this permit shall not apply during startup and shutdown periods as defined in District Rule 4352 - "Solid Fuel Fired Boilers, Steam Generators, and Process Heaters." [District NSR Rule and District Rule 4352] Federally Enforceable Through Title V Permit
21. No gases which exhibit greater than 20% opacity (6 minute average), except for one 6 minute period per hour of not more than 27% opacity shall be discharged into the atmosphere from this boiler. [40 CFR 60.42a(b)] Federally Enforceable Through Title V Permit
22. The VOC emissions from the entire stationary source shall not exceed 150 pounds during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Emissions of VOC from this boiler shall not exceed 2.5 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
24. Emissions of Particulate Matter (PM) from this boiler shall not exceed 5 pounds per hour. [District NSR Rule & District Rules 4201 & 4301] Federally Enforceable Through Title V Permit
25. Emissions of PM₁₀ from this boiler shall not exceed 5 pounds per hour. [District NSR Rule] Federally Enforceable Through Title V Permit
26. Emissions of SO_x from this boiler shall not exceed 13.04 pounds per hour, based on a 24-hour rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Emissions of SO_x shall not exceed 0.29 lb/MMBtu (24-hour average) from each boiler and 26.0 lb/hr (24-hour average) or 50.0 lb/hr (3-hour average) from the stack common to both boilers. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
28. When firing on solid fuels or fuel oil #2 during fuel switch over periods, emissions of NO_x from this boiler shall be the more restrictive of all of following: 12.29 lb/hr, 0.04 lb/MMBtu (24-hour average) from each boiler and 42.0 lb/hr, 0.075 lb/MMBtu (3-hour average) from stack common to both boilers. [District NSR Rule, District Rule 4352, 5.1, and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
29. When firing on fuel oil #2, emissions of NO_x from this boiler shall not exceed 3.13 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
30. Emissions of NO_x from startup duct burners shall not exceed 0.15 lb/MMBtu (3 hour average) when firing on natural gas. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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31. When firing on solid fuels or fuel oil #2 during fuel switch over periods, emissions of CO from this boiler shall not exceed 39.58 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
32. When firing on fuel oil #2, emissions of CO from this boiler shall not exceed 14.4 pounds per hour using a 24 hour rolling average. [District NSR Rule and District Rule 4352, 5.1] Federally Enforceable Through Title V Permit
33. If solid fuel or liquid fuel is used for a period of less than 24 hours (except for fuel switch over periods), the hourly emission limitations for NO_x, CO, and SO_x shall be determined by averaging the recording points from the continuous emission monitoring system taken during that time period. [District NSR Rule] Federally Enforceable Through Title V Permit
34. Upon recommencing operation, performance testing for the NO_x, CO, VOC, SO_x, and PM₁₀ shall be conducted on an annual basis for combustion of solid fuels. [District NSR Rule & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
35. Performance testing for NO_x, SO_x, VOC, CO, and PM₁₀ shall also be performed for combustion of fuel oil in any year that the fuel oil consumption rate exceeds 242,900 gallons. [District NSR Rule] Federally Enforceable Through Title V Permit
36. Performance testing shall be conducted using following test methods; for NO_x EPA Methods 1-4 and 7E or ARB Method 100; for SO_x EPA Methods 1-4 and 6 or 6C or 8 or ARB Method 100; for CO EPA Method 1-4 and 10 or ARB Method 100; for PM₁₀ EPA Method 201A in combination with EPA Method 202 or ARB Method 501 in combination with ARB Method 5 and EPA Method 5 (Front half only) or CARB Method 5 (excluding ammonia sulfate compounds) for PM; and for VOC EPA Method 25 or 25A or ARB Method 100. [District Rule 4352, 6.4; District Rule 2520, 9.3.2; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
37. For performance testing, stack gas velocity and volumetric flow rate shall be measured using EPA method 2 or CARB method 2, stack gas oxygen shall be measured using EPA methods 3 or 3A or CARB method 100, and stack gas moisture content shall be measured using EPA method 4 or CARB method 4. [District NSR Rule] Federally Enforceable Through Title V Permit
38. The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved test methods. [District Rule 1081, 3.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
39. The District and EPA must be notified 30 days prior to any performance testing and a test plan shall be submitted for District approval 15 days prior to such testing. [District Rule 1081, 7.1 & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
40. Performance testing shall be witnessed or authorized District personnel and EPA. Test results must be submitted to the District within 60 day of performance testing. [District Rule 1081, 7.2, 7.3 & PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
41. Performance testing for hourly emission rates for NO_x, CO, VOC, SO_x, and PM₁₀ shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0. [District NSR Rule and District Rule 1081] Federally Enforceable Through Title V Permit
42. In lieu of performing a source test for PM₁₀, the results of the total particulate test may be used for compliance with the PM₁₀ emissions limit. [District NSR Rule] Federally Enforceable Through Title V Permit
43. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records control system operating parameters; elapsed time of operation; exhaust gas Opacity, NO_x, SO₂, CO, and O₂ concentrations. For NO_x, SO₂, CO, and O₂ concentrations sampling, analyzing, and data recording cycle shall be completed every successive 15 minute period. For exhaust gas Opacity sampling and analyzing cycle shall be completed every successive 10 second period and data recording cycle shall be completed every successive 6 minute period. [District NSR Rule; District Rule 1080, 4.0; 40 CFR 64.3; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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44. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. For purposes of annual Relative Accuracy Audit Testing, the applicable standards are 0.29 lb/MMBtu for SO_x and 0.6 lb/MMBtu for NO_x. [District Rule 1080, 6.5; 40 CFR 64.3; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
45. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR 64.3 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
46. 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
47. Upon recommencing operation, records of continuous emissions monitoring system 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 64.9 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
48. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
49. 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, 9.5.1; District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
50. 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 except for the SO_x and NO_x 3-hour emission limits during normal startup or shutdown or during fuel switching. [District Rule 1080, 9.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
51. 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
52. 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
53. 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
54. 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
55. Upon recommencing operation, 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
56. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

57. 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
58. The operator shall record hours of operation of circulating fluidized bed boiler and daily amounts of each solid fuel and fuel oil fired. Such records shall be kept on the premises for District inspection. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
59. An ultimate analysis for each stock of fuel received (both solid fuels and fuel oil) shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include sulfur content of the fuel received. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
60. Upon recommencing operation, baghouse shall be completely inspected for evidence of particulate matter leaks at least annually and whenever COM system indicates increased opacity, and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
61. Upon recommencing operation, bags shall be completely inspected annually while not in operation for tears, scuffs, abrasions 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
62. Records of baghouse 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
63. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
64. The fuel supply line shall be physically disconnected from the startup burner serving this unit. [District Rule 4352]
65. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 4352]
66. Operator shall notify the District at least seven calendar days prior to recommencing operation of this dormant emissions unit, at which time this permit will be administratively modified to remove DEU references. [District Rule 4352]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-20-4

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:
EMERGENCY COAL/COKE FEED HOPPER

PERMIT UNIT REQUIREMENTS

1. 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
2. The fuel discharge into the feed hopper shall be maintained adequately moist to prevent excessive fugitive particulate matter emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The emergency feed system shall only be used during the breakdown of the main coal/coke transfer system or for coal/coke testing, and shall consist of a temporary hopper and conveyor, or the tire-derived fuel (TDF) feed system. The use of the emergency feed and the coal/coke testing system shall not exceed 24 consecutive hours per breakdown occurrence or fuel test. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The daily throughput shall not exceed 2,400 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain a log consisting of the dates and duration of hours of emergency feed system usage and daily throughput of all materials during each use. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

Facility Name: DTE STOCKTON, LLC
Location: 2526 W. WASHINGTON STREET, STOCKTON, CA 95203
N-645-20-4; Mar 1 2011 5:09PM - KAHLOJ

**San Joaquin Valley
Air Pollution Control District**

PERMIT UNIT: N-645-23-3

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

20,000 TON EMERGENCY COAL/COKE STOCKPILE

PERMIT UNIT REQUIREMENTS

1. A mobile water spray shall be used to prevent fugitive emissions while forming the emergency stockpile. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The emergency stockpile shall be sealed immediately following compaction. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The total time needed for forming, compacting, and sealing the emergency stockpile shall not exceed three weeks. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Any reclaiming from the stockpile shall be limited to emergency circumstances. An interruption in coal/coke supply lasting more than 4 days shall constitute an emergency circumstance. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The emergency stockpile shall not contain more than 20,000 tons at any time. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Permittee shall maintain a log consisting amount of coal/coke stockpiled on continuous basis and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

Facility Name: DTE STOCKTON, LLC
Location: 2526 W. WASHINGTON STREET, STOCKTON, CA 95203
N-645-23-3; Mar 1 2011 5:09PM - KAKLONJ

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-24-8

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

79 MMBTU/HR NEBRASKA MODEL #NS-E-57 AUXILIARY BOILER EQUIPPED WITH A LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)

PERMIT UNIT REQUIREMENTS

1. No modification to this unit shall be performed without an Authority to Construct for such modifications(s), except for changes specified in conditions below. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The fuel supply line shall be physically disconnected from this unit. [District Rule 4305] Federally Enforceable Through Title V Permit
3. This equipment shall not be operated for any reason until an Authority to Construct permit is issued approving all necessary retrofits required to comply with the applicable requirements of District Rule 4306 and all other applicable District regulations. [District Rule 4306] Federally Enforceable Through Title V Permit
4. Upon recommencing operation, the auxiliary boiler shall only be operated when both circulating fluidized bed boilers (N-645-14 & N-645-16) are shut down except for the switching over period which shall not exceed 16 hours for each event. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
5. Upon recommencing operation, this boiler shall only be fired on natural gas or fuel oil #2. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
6. Fuel oil #2 shall only be used during a natural gas curtailment for a period not to exceed 336 cumulative hours during any one calendar year plus 48 cumulative hours during any one calendar year for equipment testing and maintenance. [District Rule 4305] Federally Enforceable Through Title V Permit
7. Maintain a log of the cumulative annual hours of operation on #2 fuel oil during natural gas curtailment and during testing. [District Rule 4305] Federally Enforceable Through Title V Permit
8. The sulfur content of the fuel oil shall not exceed .25% by weight for any single delivery. The average sulfur content of the fuel oil used shall not exceed .20% by weight during any 30 day period. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Upon recommencing operation, an analysis for each lot of fuel oil received shall be maintained on the premise at all times and shall be made available for District inspection upon request. The analysis shall include the sulfur and nitrogen content of the fuel oil. The sulfur content shall be determined using ASTM method D 2880-71. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. NOx emissions concentration shall not exceed 30 ppmv, dry, @ 3% O2 or 0.036 lbs/MMBtu when fired on gaseous fuels. The source test plan shall identify which basis will be used to demonstrate compliance. [District Rule 4305 and District NSR Rule] Federally Enforceable Through Title V Permit
11. CO emissions concentration shall not exceed 400 ppmv, dry, @ 3% O2 when fired on gaseous fuels. [District Rule 4305 and District NSR Rule] Federally Enforceable Through Title V Permit
12. Upon recommencing operation, the emission concentration shall not exceed the following: 0.0028 lbs/MMBtu for VOC; 0.014 lbs/MMBtu for PM10; and 0.0028 lbs/MMBtu for SOx when combusting natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Upon recommencing operation, the emission concentration shall not exceed the following: 0.106 lbs/MMBtu for NO_x; 0.038 lbs/MMBtu for CO; 0.0014 lbs/MMBtu for VOC; 0.0143 lbs/MMBtu for PM₁₀; and 0.27 lbs/MMBtu for SO_x when combusting fuel oil #2. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301] Federally Enforceable Through Title V Permit
15. Source testing to measure NO_x and CO emissions for natural gas combustion shall be conducted within 60 days of recommencing operation of this unit. [District Rule 4305] Federally Enforceable Through Title V Permit
16. Upon recommencing operation; performance testing for the NO_x and CO emissions shall be conducted as required by Rule 4305 (Boilers, Steam Generators, and Process Heaters). [District Rule 4305 and District NSR Rule] Federally Enforceable Through Title V Permit
17. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0] Federally Enforceable Through Title V Permit
18. Performance testing shall be witnessed or authorized by the District personal. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.1, 7.2, & 7.3] Federally Enforceable Through Title V Permit
19. Performance testing shall be conducted using the arithmetic mean of the test runs as outlined in District Rule 1081- "Source Sampling" section 6.0. [District Rule 1081, 6.0] Federally Enforceable Through Title V Permit
20. EPA Method 7E or CARB Method 100 shall be used to determine the concentration of oxides of nitrogen, measured as NO₂. [District Rule 4305] Federally Enforceable Through Title V Permit
21. EPA Method 10 or CARB Method 100 shall be used to determine the concentration of carbon monoxide. [District Rule 4305] Federally Enforceable Through Title V Permit
22. EPA Method 3 or 3a, or CARB Method 100 shall be used to determine the stack gas oxygen. [District Rule 4305] Federally Enforceable Through Title V Permit
23. Upon recommencing operation, the stack concentration of NO_x (as NO₂), CO, and O₂ shall be measured and recorded at least on a monthly basis using a Testo 350 portable emission analyzer, or other District approved portable emission analyzer. [District Rule 4305 and District Rule 2520, 9.3.2 and 9.4.2] Federally Enforceable Through Title V Permit
24. The permittee shall maintain records of the date and time of NO_x, CO, and O₂ measurements, the measured NO₂ and CO concentrations corrected to 3% O₂, and the O₂ concentration. The records must also include a description of any corrective action taken to maintain the emissions within the acceptable range. These records shall be retained at the facility for a period of no less than 5 years and shall be made available for District inspection upon request. [District Rule 4305 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
25. If the NO_x or CO concentrations, as measured by the Testo 350 or other District approved portable emissions analyzer, exceed the allowable emissions rate, the permittee shall notify the District and take corrective action within one (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emissions rate, the permittee shall conduct an emissions test within 60 days, utilizing District-approved test methods, to demonstrate compliance with the applicable emissions limits. [District Rule 4305 and District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
26. The portable emissions analyzer shall be calibrated as recommended by the manufacturer. All instrument calibration data shall be kept on file including the date of calibration. The calibration date shall not exceed 6 months prior to the date the stack concentrations are measured and recorded. [District Rule 4305 and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
27. Concentration measurements shall not be taken until the sample acquisition probe has been exposed to the stack gas for at least 150% of the response time. Measurements shall be taken in triplicate. [District Rule 4305 and 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.

28. If water vapor is not removed prior to measurement, the absolute humidity in the gas stream must be determined so that the gas concentrations may be reported on a dry basis. [District Rule 4305 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
29. If water vapor creates an interference with the measurement of any component, then the water vapor must be removed from the gas stream prior to concentration measurements. [District Rule 4305 and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
30. Upon recommencing operation, owner or operator shall not discharge or cause the discharge into the atmosphere SO₂ in excess of 26.0 lb/hr (24-hour average) or 50 lb/hr (3-hour average) from the auxiliary boiler. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
31. Upon recommencing operation, owner or operator shall not discharge or cause the discharge into the atmosphere NO_x (as NO₂) in excess of 24.7 lb/hr (3-hour average) from the auxiliary boiler. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
32. Operator shall record and maintain the hours of auxiliary boiler operation and amounts and type of fuel fired. [PSD ATC SJ 85-05 and 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: N-645-29-2

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

200 BHP DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A COMPRESSOR

PERMIT UNIT REQUIREMENTS

1. 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, 5.1] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. The engine shall be operated with the timing retarded four degrees relative to manufacturer standard recommended timing. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The permittee shall submit in writing to the District a written report indicating the standard factory timing, the actual standard timing, date and person performing the timing adjustment. [District NSR Rule] Federally Enforceable Through Title V Permit
5. On annual basis, the permittee shall provide the District with a written proof of the engine timing as determined by a competent person. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from this engine shall not exceed 10 g-NOx/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 5.7.4 and 17 CCR 93115] 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, 5.7.2] Federally Enforceable Through Title V Permit
9. 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
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 calendar year. [District Rule 4702, 4.2.1 and 17 CCR 93115] 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.

Facility Name: DTE STOCKTON, LLC
Location: 2526 W. WASHINGTON STREET, STOCKTON, CA 95203
N-645-29-2: Mar 1 2011 5:06PM - KAHLOWJ

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 Rules 4702, 5.7 and 2520, 9.4.2 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 2520, 9.4.2 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 Rules 4702, 6.2 and 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. The engine shall only be operated when both circulating fluidized bed boilers are shut down except for brief periods for testing and maintenance which shall not exceed more than 100 hours per year. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
16. The operator shall maintain daily records of hours of compressor operation (regular and maintenance hours) and amount & sulfur content (using ASTM Method D-2880) of fuel fired. Such records shall be made available for District inspection upon request. [PSD ATC SJ 85-05] 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: N-645-31-2

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

FLY ASH REINJECTION SYSTEM VENTED THROUGH THE BOILER BAGHOUSE OR THE ASH SILO VENT FILTER

PERMIT UNIT REQUIREMENTS

1. The ash pneumatic conveying system shall be enclosed whenever in operation, and vented only through the boiler baghouse or the ash silo vent filter. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The fly ash reinjected shall not exceed 40 tons in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Permittee shall record amount of fly ash reinjected on daily basis, [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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

Facility Name: DTE STOCKTON, LLC
Location: 2526 W. WASHINGTON STREET, STOCKTON, CA 95203
N-645-31-2; Mod 1 2011 5 09PM - KAHLOUJ

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-33-3

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

355 BHP CUMMINS MODEL #NT855-G2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. 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, 5.1] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
3. Emissions from this engine shall not exceed any of the following limits: 262.7 lb-NOx/day, 17.5 lb-SOx/day, 18.4 lb-PM10/day, 56.9 lb-CO/day, or 21 lb-VOC/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 5.7.4 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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 any of the following limits: 15 minutes per day, 2 days per week, or 20 hours per calendar year. [District Rule 4702, 4.2.1 and 17 CCR 93115] 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, 5.7.3] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, 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 Rules 4702, 5.7 and 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

10. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. 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 Rules 4702, 6.2 and 2520, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The generator shall only be operated when both circulating fluidized bed boilers are shut down except for brief periods for testing and maintenance which shall not exceed more than 100 hours per year. [PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
13. The operator shall maintain records of hours of engine operation (regular and maintenance hours) and amount & sulfur content (using ASTM Method D-2880) of fuel fired. Such records shall be made available for District inspection upon request. [PSD ATC SJ 85-05] 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: N-645-34-2

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

43,000 GALLONS PER MINUTE COOLING TOWER

PERMIT UNIT REQUIREMENTS

1. The VOC emissions from the cooling tower shall not exceed 28.5 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Permittee shall maintain a log recording the amount of VOC containing material added each day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A list of materials added to the cooling tower and their VOC content shall be kept and made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
4. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]

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

Facility Name: DTE STOCKTON, LLC
Location: 2526 W. WASHINGTON STREET, STOCKTON, CA 95203
N-645-34-2, Mar 1 2011 5:08PM --KARLONJ

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-35-4

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

RECLAIMED COAL/COKE RECEIVING AND CONVEYING OPERATION WITH A RECEIVING PIT SERVED BY DUST COLLECTORS AND AN EMERGENCY COAL/COKE STORAGE OPERATION NOTE: THIS PERMIT UNIT CONVEYS COAL/COKE TO THE MAIN 2,500 TON STORAGE SILO VIA N-645-2

PERMIT UNIT REQUIREMENTS

1. 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
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. All feeding through the grizzly into the underground hopper shall be maintained in a choked flow condition at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate emissions from the discharge of the feeder shall be controlled by fabric filters with woven fiberglass bags with a PTFE membrane finish, or an equivalent approved by the APCO. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Particulate emissions from the conveyor transfer point shall be controlled by a fabric filter with woven fiberglass bags with a PTFE membrane finish, or an equivalent approved by the APCO. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The fabric filters shall have a maximum effective air to cloth ratio of 4.5 : 1 each and shall be equipped with an automatic pulse jet cleaning mechanism. [District Rule 2201] Federally Enforceable Through Title V Permit
7. There shall be no visible emissions from the fabric filters. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Visible emissions from the baghouse shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day that the baghouse is operated. If visible emissions are observed, corrective action shall be taken prior to further operation of the equipment. Corrective action means that visible emissions are eliminated before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2 and 40 CFR 64.3] Federally Enforceable Through Title V Permit
9. 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
10. 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
11. 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
12. The differential pressure across the bags shall be maintained between 1" and 8" water column. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. All transfer points shall be totally enclosed. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The conveyor belts shall be covered. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Under no circumstance shall the existing truck dump station and the new receiving system (bulldozer pushing coal/coke from stockpile to grizzly) operate simultaneously. [District Rule 2201] Federally Enforceable Through Title V Permit
16. When receiving system is used for transporting coal/coke to an emergency stockpile, it shall be done via a movable plough with flexible chutes. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The emissions from the emergency stockpile shall be controlled with a mobile water spray and a stockpile sealing system. [District Rule 2201] Federally Enforceable Through Title V Permit
18. The fabric filters shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
19. A spare set of each type of bags shall be maintained on the premises at all times. The number of bags shall be sufficient to provide full replacement bags for the largest fabric filter using each type of bags. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The quantity of material handled shall not exceed 2,880 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
21. PM10 emissions shall not exceed 0.0015 pounds per ton of material handled. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The baghouse shall be completely inspected annually while in operation for evidence of particulate matter leaks and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
23. Bags 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
24. Records of baghouse 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
25. The differential pressure across each compartment of the bags shall be checked and the results recorded daily. If the differential pressure across each compartment of the bags is not between 1" and 8" water column, corrective action is required prior to further operation of the equipment. Corrective action means that the cause of the improper pressure differential is corrected before operation of the equipment is resumed. [District Rule 2520, 9.3.2 and 9.4.2 and 40 CFR 64.3] 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=645
Sorted by Facility Name and Permit Number

DTE STOCKTON, LLC 2526 W. WASHINGTON STREET STOCKTON, CA 95203	FAC # STATUS: TELEPHONE:	N 645 A	TYPE: TOXIC ID:	TitleV 20283	EXPIRE ON: AREA: INSP. DATE:	11/30/2010 9 / 08/11
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-645-1-0	49.0 MW.	3020-08A G	1	10,215.00	10,215.00	D	49.0 MW COGENERATION PLANT
N-645-2-5	No applicable fee	999-99	1	0.00	0.00	A	COAL/COKE RECEIVING, HANDLING AND STORAGE CONSISTING OF: A TRUCK DUMP HOPPER CONTROLLED WITH WATER SPRAYS, A SILO FEED CONVEYOR VENTED TO A DUST COLLECTOR, AND A 2,500 TON STORAGE SILO VENTED TO A BAGHOUSE
N-645-3-5	No applicable fee	999-99	1	0.00	0.00	A	BOILER #A COAL/COKE FEED SYSTEM CONSISTING OF: A 100 TON DAY BIN; A 20 TON SURGE BIN AND MAIN ELEVATOR SYSTEM; A DRYER, DRYER ELEVATOR, AND CONVEYING SYSTEMS; AND A SPLITTER SCALPER SERVED BY THE SURGE BIN ALL VENTED TO BAGHOUSES OR THE BOILER
N-645-4-5	No applicable fee	999-99	1	0.00	0.00	A	BOILER #B COAL/COKE FEED SYSTEM CONSISTING OF: A 100 TON DAY BIN; A 20 TON SURGE BIN AND MAIN ELEVATOR SYSTEM; THE DRYER, DRYER ELEVATOR, AND CONVEYING SYSTEMS; AND A SPLITTER SCALPER SERVED BY THE SURGE BIN ALL VENTED TO BAGHOUSES OR THE BOILER
N-645-5-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE SURGE BIN #1 *** THIS PERMIT IS COMBINED WITH N-645-3-1 ***
N-645-6-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE SURGE BIN #2 *** THIS PERMIT IS COMBINED WITH N-645-4-1 ***
N-645-7-8	No applicable fee	999-99	1	0.00	0.00	A	COAL/COKE CONVEYING SYSTEM SERVED BY THE 2,500 TON MAIN STORAGE SILO AND SERVING THE DAY BINS FOR BOILERS #A & #B, THE SYSTEM INCLUDES: A CRUSHER BUILDING CONTAINING TWO CRUSHERS AND SCREENS, A COAL/COKE TDF TRUCK UNLOADING SYSTEM, AND ASSOCIATED CONVEYING EQUIPMENT VENTED TO A BAGHOUSE
N-645-8-4	No applicable fee	999-99	1	0.00	0.00	A	LIMESTONE RECEIVING SILO #1 CONTROLLED WITH A FABRIC FILTER BAGHOUSE
N-645-9-4	No applicable fee	999-99	1	0.00	0.00	A	LIMESTONE RECEIVING SILO #2 CONTROLLED WITH A FABRIC FILTER BAGHOUSE
N-645-10-4	No applicable fee	999-99	1	0.00	0.00	A	3.5 TON LIMESTONE/DAY TANK #1 CONTROLLED WITH A FABRIC FILTER BAGHOUSE
N-645-11-4	No applicable fee	999-99	1	0.00	0.00	A	3.5 TON LIMESTONE/DAY TANK #2 CONTROLLED WITH A FABRIC FILTER BAGHOUSE
N-645-12-4	No applicable fee	999-99	1	0.00	0.00	A	ASH STORAGE AND TRUCK LOADOUT CONSISTING OF ONE 900 TON FLY ASH SILO AND ONE 500 TON BOTTOM ASH SILO ALL VENTED TO BAGHOUSES
N-645-13-0	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	TRUCK LOADOUT *** COMBINED WITH N-645-12-0 ***

Detailed Facility Report

For Facility=645

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-645-14-10	27,000 kW electrical generation	3020-08A F	1	8,171.00	8,171.00	A	280 MMBTU/HR CIRCULATING FLUIDIZED BED BOILER #A UTILIZING LIMESTONE INJECTION, A THERMAL DENOX SYSTEM, AND A BAGHOUSE NOTE: THIS BOILER SERVES AN ELECTRIC GENERATOR
N-645-15-0	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	BAGHOUSE SERVING THE CIRCULATING FLUIDIZED BED BOILER #1 **** PERMIT COMBINED WITH N-645-14-0 ***
N-645-16-10	27,000 kW electrical generation	3020-08A F	1	8,171.00	8,171.00	A	280 MMBTU/HR CIRCULATING FLUIDIZED BED BOILER #B UTILIZING LIMESTONE INJECTION, A THERMAL DENOX SYSTEM, AND A BAGHOUSE NOTE: THIS BOILER SERVES AN ELECTRIC GENERATOR
N-645-17-0	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	BAGHOUSE SERVING THE CIRCULATING FLUIDIZED BED BOILER #2 **** PERMIT COMBINED WITH N-645-16-0 ***
N-645-18-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE SCALPER-SPLITTER SCREEN #1 *** THIS PERMIT IS COMBINED WITH N-645-3-1 ***
N-645-19-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE SCALPER-SPLITTER SCREEN #2 ** THIS PERMIT IS COMBINED WITH N-645-4-1 ***
N-645-20-4	No applicable fee	999-99	1	0.00	0.00	A	EMERGENCY COAL/COKE FEED HOPPER
N-645-21-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE RECEIVING TRUCK DUMP STATION *** COMBINED WITH N-645-2-1 ***
N-645-22-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE RECEIVING BELT FEEDER & SILO CONVEYOR *** COMBINED WITH N-645-2-1 ***
N-645-23-3	No applicable fee	999-99	1	0.00	0.00	A	20,000 TON EMERGENCY COAL/COKE STOCKPILE
N-645-24-8	79,000 kBtu/hr burner	3020-02 H	1	1,030.00	1,030.00	A	79 MMBTU/HR NEBRASKA MODEL #NS-E-57 AUXILIARY BOILER EQUIPPED WITH A LOW NOX BURNER AND FLUE GAS RECIRCULATION (FGR)
N-645-25-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE DRIER #1 *** THIS PERMIT HAS BEEN COMBINED WITH N-645-3-1 ***
N-645-26-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE DRIER #2 *** THIS PERMIT IS COMBINED WITH N-645-4-1 ***
N-645-27-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE CRUSHER #1 *** THIS PERMIT IS COMBINED WITH N-645-7-1 ***
N-645-28-1	NO APPLICABLE FEE	999-99	1	0.00	0.00	D	COAL/COKE CRUSHER #2 *** THIS PERMIT IS COMBINED WITH N-645-7-1 ***
N-645-29-2	200 bhp IC engine	3020-10 C	1	240.00	240.00	A	200 BHP DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A COMPRESSOR
N-645-31-2	No applicable fee	999-99	1	0.00	0.00	A	FLY ASH REINJECTION SYSTEM VENTED THROUGH THE BOILER BAGHOUSE OR THE ASH SILO VENT FILTER
N-645-33-3	355 bhp IC engine	3020-10 C	1	240.00	240.00	A	355 BHP CUMMINS MODEL #NT855-G2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

Detailed Facility Report

For Facility=645

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-645-34-2	No applicable fee	999-99	1	0.00	0.00	A	43,000 GALLONS PER MINUTE COOLING TOWER
N-645-35-4	106 hp electric motors	3020-01 D	1	314.00	314.00	A	RECLAIMED COAL/COKE RECEIVING AND CONVEYING OPERATION WITH A RECEIVING PIT SERVED BY DUST COLLECTORS AND AN EMERGENCY COAL/COKE STORAGE OPERATION NOTE: THIS PERMIT UNIT CONVEYS COAL/COKE TO THE MAIN 2,500 TON STORAGE SILO VIA N-645-2

Number of Facilities Reported: 1