



**SEP 10 2015**

Mr. Michael Blakey  
DTE Stockton, LLC  
2526 W. Washington Street  
Stockton, CA 95203

**Re: Notice of Preliminary Decision – Title V Permit Renewal  
District Facility # N-645  
Project # N-1151921**

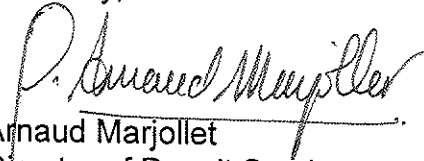
Dear Mr. Blakey:

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 at 2526 W. Washington Street, Stockton, California.

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

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,

  
Arnaud Marjollet  
Director of Permit Services

Enclosures

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

Seyed Sadredin  
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**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**  
**Power Generation Facility**

**Engineer:** Kai Chan  
**Date:** September 3, 2015

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

**Contact Name:** Michael Blakey  
**Phone:** (209) 320-3731  
**Email:** BlakeyM@dteenergy.com

**Responsible Official:** Michael Blakey  
**Title:** General Manager

**Project # :** N-1151921  
**Deemed Complete:** June 18, 2015

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**I. PROPOSAL**

DTE Stockton, LLC was issued a Title V permit renewal on September 22, 2011. 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.

DTE Stockton, LLC received the following Authority to Construct (ATC) permits for the modifications of the Trona receiving silo #1, Trona receiving silo #2, and cooling tower along with the installation of a new biomass receiving and storage operations as part of the facility's conversion from a coal-fired electric generating station to a biomass-fired electric generating station. These ATC permits constitute minor modifications to the facility's Title V permit and will be incorporated into the Title V operating permit within this Title V renewal project. The 54 MW (Gross) electric generating station with a 699 MMBtu/hr stoker boiler and a 100 MMBtu/hr natural gas-fired startup burner under ATC Permit N-645-36-3 is being processed

separately under project #N-1142618 and will NOT be incorporated into the Title V permit within this Title V renewal project.

ATC Permit Number	Action
N-645-8-7	Modification of the Trona receiving silo #1 controlled by a fabric filter baghouse to revise the equipment description to read: Dry sorbent receiving silo #1 controlled by a fabric filter baghouse.
N-645-9-7	Modification of the Trona receiving silo #2 controlled by a fabric fertilizer baghouse to revise the equipment description to read: Dry sorbent receiving silo #2 controlled by a fabric filter baghouse.
N-645-34-5	Modification of the 43,000 gallons per minute cooling tower to install a high-efficiency drift eliminator.
N-645-40-0	Biomass receiving and storage operation with up to three acres of biomass storage piles.

In addition, as part of the facility's conversion from a coal-fired electrical generating station to a biomass-fired electrical generating station, the following equipment was removed and the corresponding permits were deleted:

Permit Number	Equipment Description
N-645-10-4	3.5 ton limestone/day tank #1 controlled with a fabric filter baghouse.
N-645-11-4	3.5 ton limestone/day tank #2 controlled with a fabric filter baghouse.
N-645-23-3	20,000 ton emergency coal/coke stockpile.
N-645-31-2	Fly ash reinjection system vented through the boiler baghouse or the ash silo vent filter.

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 Stockton, LLC is located at 2526 W. Washington Street in Stockton, CA.

### III. EQUIPMENT LISTING

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

### IV. GENERAL PERMIT TEMPLATE USAGE

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

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

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

The following applicable requirements have been addressed by the general permit facility wide umbrella Template SJV-UM-03, which have not been updated since the previous Title V renewal, and will not be discussed in this document:

- District Rule 1100, Equipment Breakdown  
(amended December 17, 1992)
- District Rule 1160, Emission Statements  
(adopted November 18, 1992)
- District Rule 2010, Permits Required  
(amended December 17, 1992)
- District Rule 2031, Transfer of Permits  
(amended December 17, 1992)
- District Rule 2040, Applications  
(amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications  
(amended December 17, 1992)
- District Rule 2080, Conditional Approval  
(amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits  
(amended June 21, 2001)

- District Rule 4101, Visible Emissions  
(amended February 17, 2005)
- District Rule 4601, Architectural Coatings  
(amended October 31, 2001 ⇒ amended December 17, 2009)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8031, Bulk Materials  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8041, Carryout and Trackout  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8051, Open Areas  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads  
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas  
(adopted November 15, 2001 ⇒ amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos  
(amended July 20, 2004)

## V. SCOPE OF EPA AND PUBLIC REVIEW

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

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

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

Conditions 1-42 of the facility-wide requirements N-645-0-2 have been subsumed by conditions 1-42 of the facility-wide requirements N-645-0-4.

## VI. FEDERALLY ENFORCEABLE REQUIREMENTS

### A. Rules Updated

- District Rule 2020, Exemptions  
(amended December 20, 2007 ⇒ amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule  
(amended December 18, 2008 ⇒ amended April 21, 2011)
- District Rule 4702, Internal Combustion Engines  
(amended August 18, 2011 ⇒ amended November 14, 2013)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
(amended February 27, 2014)
- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines  
(amended February 27, 2014)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners  
(amended June 25, 2013)
- 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction  
(amended April 10, 2015)

### B. Rules Removed

There are no applicable rules that were removed since the previous Title V renewal.

### C. Rules Added

- District Rule 2410, Prevention of Significant Deterioration  
(adopted June 16, 2011, effective November 26, 2012)

#### **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 4701, Internal Combustion Engines, Phase 1 (amended August 21, 2003)
- District Rule 4801, Sulfur Compounds<sup>(1)</sup> (amended December 17, 1992)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (amended October 22, 1997)

### **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 Updated**

There are no applicable rules that have been updated since the previous Title V renewal.

#### **B. Rules Added**

There are no applicable rules added since the previous Title V renewal.

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<sup>1</sup> This rule is federally enforceable since it is based on the San Joaquin County Rule 407, which was approved in their SIP on 12/05/1984.



### C. Rules Not Updated

- District Rule 1070, Inspections  
(amended December 17, 1992)
- District Rule 4102, Nuisance  
(amended December 17, 1992)
- 17 CCR § 93115, California Code of Regulations, Title 17, Division 3, Charter 1, Subchapter 7.5, Measure 93115  
(amended May 19, 2011)

## 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 previous Title V renewal.

### A. District Rule 2020 - Exemptions

District Rule 2020 lists source categories that may be exempt from obtaining permits, and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any effect on current permit requirements and will therefore not be addressed in this evaluation.

### B. District Rule 2201 - New and Modified Stationary Source Review Rule

District Rule 2201 was amended on April 21, 2011, after this facility's Title V permit was last renewed. This Title V permit renewal does not constitute a modification per section 3.25, 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 2410 – Prevention of Significant Deterioration**

This rule was added on June 16, 2011 and became effective on November 26, 2012. This Title V renewal is not a PSD modification; therefore, it is not necessary to update the permits to address this rule.

**D. District Rule 4702 – Internal Combustion Engines**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SO<sub>x</sub>) from internal combustion engines. This rule applies to any internal combustion engine rated at 25 brake horsepower or greater.

The following permits are subject to this rule:

Permit Number N-645-29-4 (200 bhp Diesel-Fired Emergency Standby IC Engine Powering a Compressor):

Permit Number N-645-33-5 (355 bhp Cummins Model #NT855-G2 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator):

**Section 4.0, Exemptions:**

Pursuant to Section 4.2, except for the requirements of Sections 5.9 and 6.2.3, the requirements of this rule shall not apply to an emergency standby or a low-use engine, provided that the engine is operated with an operating nonresettable elapsed time meter.

Pursuant to Section 4.3 and 4.3.1, except for the administrative requirements of Section 6.2.3, the requirements of this rule shall not apply to an internal combustion engine that meets the following conditions:

- The engine is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood (§4.3.1.1); and

- Except for operations associated with Section 4.3.1.1, the engine is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed operating time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine (§4.3.1.2), and
- The engine is operated with a nonresettable elapsed time meter. In lieu of installing a nonresettable elapse time meter, the operator of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA. The operator of the engine shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions (§4.3.1.3).

The IC engine under permits N-645-29-4 and N-645-33-5 are used to power an emergency compressor and electrical generator, respectively, which meets the above listed conditions under Sections 4.2 and 4.3.1. The following table outlines the requirements along with the permit conditions to ensure compliance with this rule for these units:

<b>District Rule 4702 Requirements for Emergency Standby IC Engines</b>	<b>Permit Condition Numbers for Compliance with District Rule 4702 Requirements</b>
The owner/operator must operate and maintain the engine(s) and any installed control devices according to the manufacturers written instructions.	<ul style="list-style-type: none"> <li>• Permit condition 7. of Permit to Operate N-645-29-4.</li> <li>• Permit condition 4. of Permit to Operate N-645-33-5.</li> </ul>
Operation of emergency standby engines is limited to 100 hours or less per calendar year for non-emergency purposes, verified through the use of a non-resettable elapsed operating time meter.	<ul style="list-style-type: none"> <li>• Permit conditions 6. and 9. of Permit to Operate N-645-29-4.</li> <li>• Permit condition 3. and 6. of Permit to Operate N-645-33-5.</li> </ul>
Emergency standby engines cannot be used to reduce the demand for electrical power when normal electrical power line service has not failed, or to produce power for the electrical distribution system, or in conjunction with a voluntary utility demand reduction program or interruptible power contract.	<ul style="list-style-type: none"> <li>• Permit conditions 10. and 11. of draft Permit to Operate N-645-29-4.</li> <li>• Permit condition 7. and 8. of Permit to Operate N-645-33-5.</li> </ul>
The owner/operator must monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.	<ul style="list-style-type: none"> <li>• Permit condition 12. of Permit to Operate N-645-29-4.</li> <li>• Permit condition 9. of Permit to Operate N-645-33-5.</li> </ul>

District Rule 4702 Requirements for Emergency Standby IC Engines	Permit Condition Numbers for Compliance with District Rule 4702 Requirements
Records of the total hours of operation of the emergency standby engine, type of fuel used, purpose for operating the engine, all hours of non-emergency and emergency operation, and support documentation must be maintained. All records shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request.	<ul style="list-style-type: none"> <li>• Permit conditions 13., 14., and 15. of Permit to Operate N-645-29-4.</li> <li>• Permit conditions 10., 11., and 12. of Permit to Operate N-645-33-5.</li> </ul>

**E. 40 CFR Part 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

Per §60.4200(a)(2) of 40 CFR Part 60 Subpart III, this subpart applies to owners and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005, where the stationary CI ICE are manufactured after April 1, 2006, and are not fire pump engines, or manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006. §60.4200(a)(3) states that this subpart also applies to owners and operators of any stationary CI ICE that are modified or reconstructed after July 11, 2005.

Permit Number N-645-29-4 (200 bhp Diesel-Fired Emergency Standby IC Engine Powering a Compressor):

Permit Number N-645-33-5 (355 bhp Cummins Model #NT855-G2 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator):

These units were manufactured before July 11, 2005 and have not been modified or reconstructed after July 11, 2005. Therefore, this unit is not subject to this subpart.

**F. 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants (HAP) for Stationary Reciprocating Internal Combustion Engines**

Per §63.6585(b) and §63.6585(c) of 40 CFR Part 63 Subpart ZZZZ, this subpart applies to owners and operators of stationary reciprocating internal combustion engines (RICE) operated at a major or area source of Hazardous Air Pollutant (HAP) emissions. A major source of HAP emissions is a facility that has the potential to emit any single HAP at a rate of 10 tons/year or greater or any combinations of HAPs at a rate of 25 tons/year or greater. An area source of HAP emissions is a facility that is not a major source of HAP emissions. As

previously determined under project #N-1101175, this facility is an area source of HAP emissions.

Permit Number N-645-29-4 (200 bhp Diesel-Fired Emergency Standby IC Engine Powering a Compressor):

Permit Number N-645-33-5 (355 bhp Cummins Model #NT855-G2 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator):

Per §63.6590(a) an affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions. Per §63.6590(a)(1)(iii), a stationary RICE located at an area source of HAP emissions is existing if the owner or operator commenced construction or reconstruction of the stationary RICE before June 12, 2006. This facility is an area source of HAP emissions and these units were constructed before June 12, 2006. Therefore, these units are considered to be existing units located at an area source of HAP emissions and are subject to this subpart.

The following table outlines the requirements along with the permit conditions to ensure compliance for these existing emergency compression ignited engines located at an areas source of HAP emissions:

40 CFR Part 63 Subpart ZZZZ Requirements	Permit Condition Numbers for Compliance with Subpart ZZZZ Requirements
<p>40 CFR 63.6603(a) requires the owner or operator of an existing stationary RICE located at an area source of HPA emissions to comply with the applicable requirements in Table 2d and the operating limitations of Table 2b. The following are the applicable requirements from these tables for emergency compression ignited engines:</p> <ul style="list-style-type: none"> <li>• Change the oil and filter every 500 hours of operation, or annually, whichever comes first;</li> <li>• Inspect the air cleaner every 1,000 hours of operation, or annually, whichever comes first, and replace as necessary; and</li> <li>• Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</li> </ul>	<ul style="list-style-type: none"> <li>• Permit condition 7. of Permit to Operate N-645-29-4.</li> <li>• Permit condition 4. of Permit to Operate N-645-33-5.</li> </ul>

40 CFR Part 63 Subpart ZZZZ Requirements	Permit Condition Numbers for Compliance with Subpart ZZZZ Requirements
40 CFR 63.6625(f) requires that existing emergency engines operated at an area source of HAPs be equipped with a non-resettable hour meter if one is not already installed.	<ul style="list-style-type: none"> <li>• Permit condition 6. of Permit to Operate N-645-29-4.</li> <li>• Permit condition 3. of Permit to Operate N-645-33-5.</li> </ul>
40 CFR 63.6640(f)(2) and (f)(2)(i) allows emergency stationary RICE to operate for a maximum of 100 hours per calendar year for maintenance and readiness testing.	<ul style="list-style-type: none"> <li>• Permit condition 9. of Permit to Operate N-645-29-4.</li> <li>• Permit condition 6. of Permit to Operate N-645-33-5.</li> </ul>
40 CFR 63.6655(e) requires records be kept to demonstrate compliance with the maintenance and operating requirements of this subpart.	<ul style="list-style-type: none"> <li>• Permit condition 13. of Permit to Operate N-645-29-4.</li> <li>• Permit condition 10. of Permit to Operate N-645-33-5.</li> </ul>

**G. 40 CFR Part 82, Subpart B (Servicing of Motor Vehicle Air Conditioners) and Subpart F (Recycling and Emissions Reduction)**

There are applicable requirements from Title VI of the CAA (Stratospheric Ozone) that apply to all sources. These requirements pertain to air conditioners, chillers and refrigerators located at a Title V source and to disposal of air conditioners or maintenance/recharging/disposal of motor vehicle air conditioners (MVAC). These requirements are addressed in condition 27. and 28. of the draft Title V permit N-645-0-4.

**F. 40 CFR Part 64, Compliance Assurance Monitoring (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.

Major Source Thresholds		
Pollutant	lb/year	ton/year
NOx	20,000	10
SOx	140,000	70
PM <sub>10</sub>	140,000	70
CO	200,000	100
VOC	20,000	10

Permit Number N-645-8-8 (Dry Sorbent Receiving Silo #1 Controlled by a Fabric Filter Baghouse):

Permit Number N-645-9-8 (Dry Sorbent Receiving Silo #2 Controlled by a Fabric Filter Baghouse):

These permit units each contains identical PM<sub>10</sub> emission limits and the operations are each served by fabric filter baghouses for PM<sub>10</sub> emissions control. Therefore, these emission units may be subject to CAM requirements for PM<sub>10</sub> emissions since there are PM<sub>10</sub> emission limits and the emission units are served by an add-on control device. In order to be subject to CAM requirements, the uncontrolled potential to emit for this permit unit must exceed the major source threshold for PM<sub>10</sub> emissions of 140,000 lb/year.

Pursuant to the application review under District Projects N-1101175 and N-1148545, the controlled PM<sub>10</sub> emissions from each dry sorbent receiving operation will have annual potential PM<sub>10</sub> emissions of 11.0 lb/year with a fabric filter control efficiency of 99%. Therefore, the annual uncontrolled PM<sub>10</sub> emissions from each permit unit is calculated as follows:

$$\begin{aligned}\text{Uncontrolled PM}_{10} \text{ Emissions} &= 11.0 \text{ lb-PM}_{10}/\text{day} \div (1 - 0.99) \\ &= 1,100 \text{ lb-PM}_{10}/\text{year}\end{aligned}$$

These permit units are NOT subject to CAM requirements for PM<sub>10</sub> emissions because the uncontrolled PM<sub>10</sub> potential to emit is less than the major source threshold of 140,000 pounds PM<sub>10</sub>/year.

Permit Number N-645-12-6 (Ash Storage and Truck Loadout Consisting of One 900 Ton Fly Ash Silo and One 500 Ton Bottom Ash Silo all Vented to Baghouses):

This permit unit does not contain emission limitations for any pollutant. Therefore, this permit unit is not subject to CAM requirements for any pollutant.

Permit Number N-645-29-4 (200 bhp Diesel-Fired Emergency Standby IC Engine Powering a Compressor):

Permit Number N-645-33-5 (355 bhp Cummins Model #NT855-G2 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator):

These permit units do not utilize an add-on control device for any pollutant. Therefore, these permit units are not subject to CAM requirements for any pollutant.

Permit Number N-645-34-6 (43,000 Gallons Per Minute Cooling Tower with a High Efficiency Drift Eliminator):

This permit unit contains PM<sub>10</sub> and VOC emission limits and the operation is served by a drift eliminator only for PM<sub>10</sub> emissions control. Therefore, the emission units may be subject to CAM requirements only for PM<sub>10</sub> emissions since there are PM<sub>10</sub> emission limits and the emission units are served by an add-on control device. In order to be subject to CAM requirements, the uncontrolled potential to emit for this permit unit must exceed the major source threshold for PM<sub>10</sub> emissions of 140,000 lb/year.

Pursuant to the application review under District Project #N-1112331, the controlled PM<sub>10</sub> emissions from the cooling tower have annual potential PM<sub>10</sub> emissions of 8,067 lb/year with a drift eliminator control efficiency of 90%. Therefore, the annual uncontrolled PM<sub>10</sub> emissions are calculated as follows:

$$\begin{aligned}\text{Uncontrolled PM}_{10} \text{ Emissions} &= 8,067 \text{ lb-PM}_{10}/\text{day} \div (1 - 0.90) \\ &= 80,670 \text{ lb-PM}_{10}/\text{year}\end{aligned}$$

This permit unit is NOT subject to CAM requirements for PM<sub>10</sub> emissions because the uncontrolled PM<sub>10</sub> potential to emit is less than the major source threshold of 140,000 pounds PM<sub>10</sub>/year. In addition, this permit unit is NOT subject to CAM requirements for VOC emissions because this unit does not utilize an add-on control device for VOC emissions.

Permit Number N-645-37-1 (Biomass Receiving Operation with Three Truck Unloading Hoppers, a Disc Screen and Hogger, and Associated Conveyors, and Biomass Storage Operation with up to 5.5 Acres of Biomass Storage Piles):

Permit Number N-645-38-1 (Biomass Fuel Handling Operation with Biomass Metering Bins, Reclaim Conveyors, and Other Associated Conveyors):

Permit Number N-645-40-1 (Biomass Receiving and Storage Operation with up to Three Acres of Biomass Storage Piles):

These permit units do not utilize an add-on control device for any pollutant. Therefore, these permit units are not subject to CAM requirements for any pollutant.



## **IX. PERMIT SHIELD**

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

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

Model General Permit Template SJV-UM-0-3

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template are included as conditions 39. and 40. of the facility-wide requirements (N-645-0-4).

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

The applicant is not requesting any new permit shields under this Title V renewal application.

## **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

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: N-645-0-4

EXPIRATION DATE: 1/30/2015

## 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 (San Joaquin)] 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 (San Joaquin)] 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. 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 (8/18/11). [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
9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: DTE STOCKTON, LLC

Location: 2526 W. WASHINGTON STREET, STOCKTON, CA 95203

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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
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101 and San Joaquin County Rule 401] 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. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
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

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

36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (San Joaquin), Rule 110 (San Joaquin), and Rule 202 (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-645-8-8

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

DRY SORBENT RECEIVING SILO #1 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

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## PERMIT UNIT REQUIREMENTS

1. Dry sorbent shall be received through direct coupled pneumatic unloading truck. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District Rule 2201] 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 Rule 2201] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District Rule 2201] 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 Rules 2201 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 Rule 2201] 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 dry sorbent 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

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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
15. PM10 emissions from the dry sorbent receiving and storage operation shall not exceed 0.00039 pounds per ton of dry sorbent received. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The quantity of dry sorbent received shall not exceed 365 tons in any one day and 27,375 tons in any rolling 12-consecutive-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Permittee shall maintain daily records of the quantity of dry sorbent received, in tons, and shall update the rolling 12-consecutive-month total of dry sorbent received at least once each calendar month. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley  
Air Pollution Control District

PERMIT UNIT: N-645-9-8

EXPIRATION DATE: 11/30/2015

**EQUIPMENT DESCRIPTION:**

DRY SORBENT RECEIVING SILO #2 CONTROLLED WITH A FABRIC FILTER BAGHOUSE

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**PERMIT UNIT REQUIREMENTS**

1. Dry sorbent shall be received through direct coupled pneumatic unloading truck. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District Rule 2201] 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 Rule 2201] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District Rule 2201] 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 Rules 2201 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 Rule 2201] 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 dry sorbent 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

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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
15. PM10 emissions from the dry sorbent receiving and storage operation shall not exceed 0.00039 pounds per ton of dry sorbent received. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The quantity of dry sorbent received shall not exceed 365 tons in any one day and 27,375 tons in any rolling 12-consecutive-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Permittee shall maintain daily records of the quantity of dry sorbent received, in tons, and shall update the rolling 12-consecutive-month total of dry sorbent received at least once each calendar month. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

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

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-12-6

EXPIRATION DATE: 11/30/2015

## 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 Rule 2201] Federally Enforceable Through Title V Permit
3. The emissions of the loadout point shall be vented through the ash storage silos. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The ash storage silos shall be totally air tight and only vented through a fabric filter. [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 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 Rule 2201] 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 Rule 2201] 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 Rule 2201] Federally Enforceable Through Title V Permit
10. All water sprays shall be maintained in good working condition. [District Rule 2201] 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 Rule 2201] 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.

Facility Name: DTE STOCKTON, LLC

Location: 2526 W. WASHINGTON STREET, STOCKTON, CA 95203

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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-645-29-4

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

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

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The engine shall be operated with the timing retarded four degrees relative to manufacturer standard recommended timing. [District Rule 2201] 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 Rule 2201] 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 Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this engine shall not exceed 10 g-NOx/bhp-hr. [District Rule 2201] 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, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] 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. The operator shall: (1) Change the oil and filter every 500 hours of operation, or annually, whichever comes first; (2) Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] 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 or to supply power while maintenance is performed or repairs made to the primary power supply. Operation of the engine for maintenance, testing and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] 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 Rules 4701 and 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 Rules 4701 and 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.

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
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 2520 and 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] 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 five (5) years, and shall be made available for District inspection upon request. [District Rules 2520 and 4702, 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-645-33-5

EXPIRATION DATE: 11/30/2015

## 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 Rule 2201] 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, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] 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. The operator shall: (1) Change the oil and filter every 500 hours of operation, or annually, whichever comes first; (2) Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] 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 maintenance, testing, and required regulatory purposes, and during emergency situations or to supply power while maintenance is performed or repairs made to the primary power supply. Operation of the engine for maintenance, testing and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702, 17 CCR 93115, and 40 CFR Part 63 Subpart ZZZZ] 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 Rules 4701 and 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 Rules 4701 and 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

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 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 2520 and 4702, 17 CCR 93115, and 40 CFR Part 60 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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, 9.4.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 4702, 6.2 and 2520, 9.4.2 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-645-34-6

EXPIRATION DATE: 7/30/2015

## EQUIPMENT DESCRIPTION:

43,000 GALLONS PER MINUTE COOLING TOWER WITH A HIGH EFFICIENCY DRIFT ELIMINATOR

## 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. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]
4. The cooling tower shall be equipped with a drift eliminator that reduces drift to less than or equal to 0.001%. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from the cooling tower shall not exceed 22.1 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. VOC emissions from the addition of VOC-containing chemicals to the cooling tower water shall not exceed 0.5 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Cooling tower blowdown water shall be tested for total dissolved solids (TDS) content every quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Testing for TDS shall be conducted using EPA Method 160.1 or any equivalent test method approved in writing by the District and EPA. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Compliance with the daily emissions limitation shall be demonstrated on a quarterly basis using the daily PM10 emission rate calculated as follows: (blowdown water TDS content, in mg/L) x (cooling water recirculation rate, in gal/day) x (design drift rate, as %) x (8.34 x 10<sup>-8</sup>). [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
10. Permittee shall maintain records of the quarterly test results for TDS content of the cooling tower blowdown water, along with the calculated daily PM10 emission rate. [District Rule 1070] Federally Enforceable Through Title V Permit
11. Permittee shall maintain a log recording the amount of VOC containing material added each day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. 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 Rule 2201] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-37-1

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

BIOMASS RECEIVING OPERATION WITH THREE TRUCK UNLOADING HOPPERS, A DISC SCREEN AND HOGGER, AND ASSOCIATED CONVEYORS, AND BIOMASS STORAGE OPERATION WITH UP TO 5.5 ACRES OF BIOMASS STORAGE PILES

## PERMIT UNIT REQUIREMENTS

1. 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
2. All stockpiled biomass shall be covered, or maintained adequately moist, to prevent visible emissions in excess of 20% opacity as determined using EPA Method 9. Permittee shall use water sprays or other dust suppression techniques as necessary to ensure compliance with this opacity limit. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Visible emissions from the disc screen, fuel hogger, and all conveyor transfer points shall not exceed 20% opacity as determined using EPA Method 9. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall monitor the disc screen, fuel hogger, and all conveyor transfer points for visible emissions, as determined using EPA Method 22 on a daily basis. Daily monitoring shall take place at an appropriate time each day depending on plant start time and sunrise, but shall in any event be conducted before 12:00 PM. If visible emissions are detected, permittee shall take corrective action and eliminate visible emissions within 1 hour after detection. If visible emissions cannot be eliminated within 1 hour after detection, a visible emissions test using EPA Method 9 shall be conducted while the visible emissions are ongoing to determine if the visible emissions exceed the limits specified in this permit. Visible emissions less than 20% opacity as determined using EPA Method 9 shall not constitute a violation of this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions from the biomass fuel receiving operation shall not exceed 0.000301 lb/ton on a daily average basis and 0.000527 lb/ton on an annual average basis. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Biomass fuel received by the receiving and storage operation shall not exceed 2,732 tons in any one day and 470,080 tons in any calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the biomass fuel storage piles shall not exceed 0.24 lb-PM10 per acre of fuel storage piles per day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Permittee shall maintain records of the quantity of biomass fuel received each day, in tons. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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 or Rule 8011. [District Rules 8011 and 8021] 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. An owner/operator shall submit a Dust Control Plan to the APCO prior to the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential developments, or 5 acres or more of disturbed surface area for non-residential development, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials on at least three days. [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
13. When handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
14. When storing bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, all bulk material piles shall also be either maintained with a stabilized surface as defined in Section 3.58 of District Rule 8011, or shall be protected with suitable covers or barriers as prescribed in Table 8031-1, Section B, of District Rule 8031. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
15. When transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
16. All outdoor chutes and conveyors shall be controlled by any of the following options: 1) full enclosure, 2) operation with water spray equipment that sufficiently wets materials to limit VDE to 20% opacity, or 3) the concentration of particles having an aerodynamic diameter of 10 microns or less in the conveyed material shall be sufficiently small to limit VDE to 20% opacity. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
17. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8011, 8031, and 8071] Federally Enforceable Through Title V Permit
18. 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 (8/19/04) or Rule 8011(8/19/04). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
19. 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 or Rule 8011. [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
20. 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 or Rule 8011. [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
21. Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
22. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] 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.

23. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
24. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] 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-645-38-1

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

BIOMASS FUEL HANDLING OPERATION WITH BIOMASS METERING BINS, RECLAIM CONVEYORS, AND OTHER ASSOCIATED CONVEYORS

## PERMIT UNIT REQUIREMENTS

1. 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
2. Visible emissions from all conveyor transfer points shall not exceed 20% opacity as determined using EPA Method 9. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Permittee shall not cause or allow visible emissions from any conveyor transfer point, as determined using EPA Method 22 on a daily basis. Daily inspections shall take place at an appropriate time each day depending on plant start time and sunrise. If visible emissions cannot be corrected within 1 hour after detection, a visible emissions test using EPA Method 9 shall be conducted while the visible emissions are ongoing to determine if the visible emissions exceed the limit in condition 4. Visible emissions less than 20% opacity as determined using EPA Method 9, or that are corrected within 1 hour after detection, shall not constitute a violation of this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from the biomass fuel handling system, based on the quantity of fuel processed through the fuel metering bins, shall not exceed 0.000203 lb/ton on a daily average basis and 0.000227 lb/ton on an annual average basis. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The quantity of fuel processed through the fuel metering bins shall not exceed 1,951 tons in any one day and 470,080 in any calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain records of the quantity of biomass fuel processed through the fuel metering bins each day, in tons. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
10. When transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] 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. All outdoor chutes and conveyors shall be controlled by any of the following options: 1) full enclosure, 2) operation with water spray equipment that sufficiently wets materials to limit VDE to 20% opacity, or 3) the concentration of particles having an aerodynamic diameter of 10 microns or less in the conveyed material shall be sufficiently small to limit VDE to 20% opacity. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
12. 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 (8/19/04) or Rule 8011(8/19/04). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
13. Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
14. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
15. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
16. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8011, 8031, and 8071] Federally Enforceable Through Title V Permit
17. 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 or Rule 8011. [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
18. An owner/operator shall submit a Dust Control Plan to the APCO prior to the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential developments, or 5 acres or more of disturbed surface area for non-residential development, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials on at least three days. [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
19. 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 or Rule 8011. [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
20. 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 or Rule 8011. [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
21. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] 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-645-40-1

EXPIRATION DATE: 11/30/2015

EQUIPMENT DESCRIPTION:

BIOMASS RECEIVING AND STORAGE OPERATION WITH UP TO THREE ACRES OF BIOMASS STORAGE PILES

**PERMIT UNIT REQUIREMENTS**

1. 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
2. All stockpiled biomass shall be covered, or maintained adequately moist, to prevent visible emissions in excess of 20% opacity as determined using EPA Method 9. Permittee shall use water sprays or other dust suppression techniques as necessary to ensure compliance with this opacity limit. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Visible emissions from all transfer points shall not exceed 20% opacity as determined using EPA Method 9. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall monitor all transfer points for visible emissions, as determined using EPA Method 22 on a daily basis. Daily monitoring shall take place at an appropriate time each day depending on plant start time and sunrise, but shall in any event be conducted before 12:00 PM. If visible emissions are detected, permittee shall take corrective action and eliminate visible emissions within 1 hour after detection. If visible emissions cannot be eliminated within 1 hour after detection, a visible emissions test using EPA Method 9 shall be conducted while the visible emissions are ongoing to determine if the visible emissions exceed the limits specified in this permit. Visible emissions less than 20% opacity as determined using EPA Method 9 shall not constitute a violation of this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from the truck walking bed unloading operation shall not exceed 0.000052 lb/ton biomass received. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions from the material transfer via front loader from unloading area to storage pile shall not exceed 0.000052 lb/ton biomass received. [District Rule 2201] Federally Enforceable Through Title V Permit
7. PM10 emissions from the material transfer via front loader from the storage pile to trucks shall not exceed 0.000052 lb/ton biomass received. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Biomass fuel received by the receiving and storage operation shall not exceed 500 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from the biomass fuel storage piles shall not exceed 0.00153 lb-PM10 per 1000 ft<sup>2</sup> of fuel storage piles per day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The area of the fuel storage piles shall not exceed 3 acres. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall maintain records of the quantity of biomass fuel received each day, in tons and the area of the storage piles. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [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. 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 or Rule 8011. [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
14. An owner/operator shall submit a Dust Control Plan to the APCO prior to the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential developments, or 5 acres or more of disturbed surface area for non-residential development, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials on at least three days. [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
15. When handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
16. When storing bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, all bulk material piles shall also be either maintained with a stabilized surface as defined in Section 3.58 of District Rule 8011, or shall be protected with suitable covers or barriers as prescribed in Table 8031-1, Section B, of District Rule 8031. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
17. When transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
18. All outdoor chutes and conveyors shall be controlled by any of the following options: 1) full enclosure, 2) operation with water spray equipment that sufficiently wets materials to limit VDE to 20% opacity, or 3) the concentration of particles having an aerodynamic diameter of 10 microns or less in the conveyed material shall be sufficiently small to limit VDE to 20% opacity. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
19. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8011, 8031, and 8071] Federally Enforceable Through Title V Permit
20. 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 (8/19/04) or Rule 8011(8/19/04). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
21. 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 or Rule 8011. [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
22. 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 or Rule 8011. [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
23. Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] 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.



24. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] 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 95209  
N-645-40-1: Sep 3 2015 5:28PM - CHANK

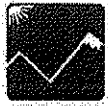
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# ATTACHMENT B

Previous Title V Operating Permit

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**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



**HEALTHY AIR LIVING™**

# Permit to Operate

**FACILITY:** N-645

**EXPIRATION DATE:** 11/30/2015

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

DTE STOCKTON, LLC  
2526 W. WASHINGTON STREET  
STOCKTON, CA 95203

**FACILITY LOCATION:**

2526 W. WASHINGTON STREET  
STOCKTON, CA 95203

**FACILITY DESCRIPTION:**

POWER GENERATION FACILITY

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

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

**Seyed Sadredin**  
Executive Director / APCO

**David Warner**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: N-645-0-2

EXPIRATION DATE: 11/30/2015

## 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: 9pp 20 2011 9:21AM - DEMARISF

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

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

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

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), and Rule 111 (Kern, Tulare, Kings). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (11/15/01); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (10/31/01); 8021 (11/15/01); 8031 (11/15/01); 8041 (11/15/01); 8051 (11/15/01); 8061 (11/15/01); and 8071 (11/15/01). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. 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-645-8-5

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

TRONA RECEIVING SILO #1 CONTROLLED BY A FABRIC FILTER BAGHOUSE

## PERMIT UNIT REQUIREMENTS

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1. Trona shall be received through direct coupled pneumatic unloading truck. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District Rule 2201] 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 Rule 2201] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District Rule 2201] 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 Rule 2201] 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 trona 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
15. PM10 emissions from the trona receiving and storage operation shall not exceed 0.00039 pounds per ton of trona received. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The quantity of trona received shall not exceed 365 tons in any one day and 27,375 tons in any rolling 12-consecutive-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Permittee shall maintain daily records of the quantity of trona received, in tons, and shall update the rolling 12-consecutive-month total of trona received at least once each calendar month. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-9-5

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

TRONA RECEIVING SILO #2 CONTROLLED BY A FABRIC FILTER BAGHOUSE

## PERMIT UNIT REQUIREMENTS

1. Trona shall be received through direct coupled pneumatic unloading truck. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District Rule 2201] 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 Rule 2201] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District Rule 2201] 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 Rule 2201] 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 trona 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
15. PM10 emissions from the trona receiving and storage operation shall not exceed 0.00039 pounds per ton of trona received. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The quantity of trona received shall not exceed 365 tons in any one day and 27,375 tons in any rolling 12-consecutive-month period. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Permittee shall maintain daily records of the quantity of trona received, in tons, and shall update the rolling 12-consecutive-month total of trona received at least once each calendar month. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-12-4

EXPIRATION DATE: 11/30/2015

## 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

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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-645-29-2

**EXPIRATION DATE:** 11/30/2015

**EQUIPMENT DESCRIPTION:**

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

## PERMIT UNIT REQUIREMENTS

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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 420], 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.

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-645-33-3

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

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

## PERMIT UNIT REQUIREMENTS

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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-645-34-4

EXPIRATION DATE: 11/30/2015

**EQUIPMENT DESCRIPTION:**

43,000 GALLONS PER MINUTE COOLING TOWER

**PERMIT UNIT REQUIREMENTS**

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1. VOC emissions from the addition of VOC-containing chemicals to the cooling tower water shall not exceed 0.8 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Permittee shall maintain a log recording the amount of VOC containing material added each day. [District Rule 2201] 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 Rule 2201] 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-645-37-0

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

BIOMASS RECEIVING OPERATION WITH THREE TRUCK UNLOADING HOPPERS, A DISC SCREEN AND HOGGER, AND ASSOCIATED CONVEYORS, AND BIOMASS STORAGE OPERATION WITH UP TO 5.5 ACRES OF BIOMASS STORAGE PILES

## PERMIT UNIT REQUIREMENTS

1. 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
2. All stockpiled biomass shall be covered, or maintained adequately moist, to prevent visible emissions in excess of 20% opacity as determined using EPA Method 9. Permittee shall use water sprays or other dust suppression techniques as necessary to ensure compliance with this opacity limit. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Visible emissions from the disc screen, fuel hogger, and all conveyor transfer points shall not exceed 20% opacity as determined using EPA Method 9. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall monitor the disc screen, fuel hogger, and all conveyor transfer points for visible emissions, as determined using EPA Method 22 on a daily basis. Daily monitoring shall take place at an appropriate time each day depending on plant start time and sunrise, but shall in any event be conducted before 12:00 PM. If visible emissions are detected, permittee shall take corrective action and eliminate visible emissions within 1 hour after detection. If visible emissions cannot be eliminated within 1 hour after detection, a visible emissions test using EPA Method 9 shall be conducted while the visible emissions are ongoing to determine if the visible emissions exceed the limits specified in this permit. Visible emissions less than 20% opacity as determined using EPA Method 9 shall not constitute a violation of this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
6. PM10 emissions from the biomass fuel receiving operation shall not exceed 0.000301 lb/ton on a daily average basis and 0.000527 lb/ton on an annual average basis. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Biomass fuel received by the receiving and storage operation shall not exceed 2,732 tons in any one day and 470,080 tons in any calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emissions from the biomass fuel storage piles shall not exceed 0.24 lb-PM10 per acre of fuel storage piles per day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Permittee shall maintain records of the quantity of biomass fuel received each day, in tons. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
11. 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 or Rule 8011. [District Rules 8011 and 8021] 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. An owner/operator shall submit a Dust Control Plan to the APCO prior to the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential developments, or 5 acres or more of disturbed surface area for non-residential development, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials on at least three days. [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
13. When handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
14. When storing bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, all bulk material piles shall also be either maintained with a stabilized surface as defined in Section 3.58 of District Rule 8011, or shall be protected with suitable covers or barriers as prescribed in Table 8031-1, Section B, of District Rule 8031. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
15. When transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
16. All outdoor chutes and conveyors shall be controlled by any of the following options: 1) full enclosure, 2) operation with water spray equipment that sufficiently wets materials to limit VDE to 20% opacity, or 3) the concentration of particles having an aerodynamic diameter of 10 microns or less in the conveyed material shall be sufficiently small to limit VDE to 20% opacity. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
17. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8011, 8031, and 8071] Federally Enforceable Through Title V Permit
18. 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 (8/19/04) or Rule 8011(8/19/04). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
19. 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 or Rule 8011. [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
20. 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 or Rule 8011. [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
21. Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
22. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] 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.

23. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
24. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] 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-645-38-0

EXPIRATION DATE: 11/30/2015

## EQUIPMENT DESCRIPTION:

BIOMASS FUEL HANDLING OPERATION WITH BIOMASS METERING BINS, RECLAIM CONVEYORS, AND OTHER ASSOCIATED CONVEYORS

## PERMIT UNIT REQUIREMENTS

1. 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
2. Visible emissions from all conveyor transfer points shall not exceed 20% opacity as determined using EPA Method 9. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Permittee shall not cause or allow visible emissions from any conveyor transfer point, as determined using EPA Method 22 on a daily basis. Daily inspections shall take place at an appropriate time each day depending on plant start time and sunrise. If visible emissions cannot be corrected within 1 hour after detection, a visible emissions test using EPA Method 9 shall be conducted while the visible emissions are ongoing to determine if the visible emissions exceed the limit in condition 4. Visible emissions less than 20% opacity as determined using EPA Method 9, or that are corrected within 1 hour after detection, shall not constitute a violation of this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from the biomass fuel handling system, based on the quantity of fuel processed through the fuel metering bins, shall not exceed 0.000203 lb/ton on a daily average basis and 0.000227 lb/ton on an annual average basis. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The quantity of fuel processed through the fuel metering bins shall not exceed 1,951 tons in any one day and 470,080 in any calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall maintain records of the quantity of biomass fuel processed through the fuel metering bins each day, in tons. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit
9. When handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
10. When transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031] 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. All outdoor chutes and conveyors shall be controlled by any of the following options: 1) full enclosure, 2) operation with water spray equipment that sufficiently wets materials to limit VDE to 20% opacity, or 3) the concentration of particles having an aerodynamic diameter of 10 microns or less in the conveyed material shall be sufficiently small to limit VDE to 20% opacity. [District Rules 2201, 8011, and 8031] Federally Enforceable Through Title V Permit
12. 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 (8/19/04) or Rule 8011(8/19/04). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
13. Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
14. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit
15. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
16. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8011, 8031, and 8071] Federally Enforceable Through Title V Permit
17. 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 or Rule 8011. [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
18. An owner/operator shall submit a Dust Control Plan to the APCO prior to the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential developments, or 5 acres or more of disturbed surface area for non-residential development, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials on at least three days. [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
19. 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 or Rule 8011. [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
20. 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 or Rule 8011. [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
21. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071] Federally Enforceable Through Title V Permit

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



## AUTHORITY TO CONSTRUCT

PERMIT NO: N-645-40-0

ISSUANCE DATE: 11/19/2014

LEGAL OWNER OR OPERATOR: DTE STOCKTON, LLC  
MAILING ADDRESS: ATTN: PAYABLE DEPARTMENT  
2526 W. WASHINGTON STREET  
STOCKTON, CA 95203

LOCATION: 2526 W. WASHINGTON STREET  
STOCKTON, CA 95203

EQUIPMENT DESCRIPTION:  
BIOMASS RECEIVING AND STORAGE OPERATION WITH UP TO THREE ACRES OF BIOMASS STORAGE PILES

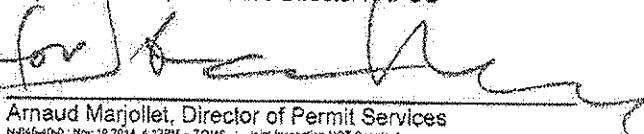
### CONDITIONS

1. 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
2. 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]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. 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]
5. All stockpiled biomass shall be covered, or maintained adequately moist, to prevent visible emissions in excess of 20% opacity as determined using EPA Method 9. Permittee shall use water sprays or other dust suppression techniques as necessary to ensure compliance with this opacity limit. [District Rule 2201]
6. Visible emissions from all transfer points shall not exceed 20% opacity as determined using EPA Method 9. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (209) 557-6400 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

N-645-40-0 - Nov 19 2014 4:12PM - TOMS - Joint Inspection NOT Required



7. Permittee shall monitor all transfer points for visible emissions, as determined using EPA Method 22 on a daily basis. Daily monitoring shall take place at an appropriate time each day depending on plant start time and sunrise, but shall in any event be conducted before 12:00 PM. If visible emissions are detected, permittee shall take corrective action and eliminate visible emissions within 1 hour after detection. If visible emissions cannot be eliminated within 1 hour after detection, a visible emissions test using EPA Method 9 shall be conducted while the visible emissions are ongoing to determine if the visible emissions exceed the limits specified in this permit. Visible emissions less than 20% opacity as determined using EPA Method 9 shall not constitute a violation of this condition. [District Rule 2201]
8. PM10 emissions from the truck walking bed unloading operation shall not exceed 0.000052 lb/ton biomass received. [District Rule 2201]
9. PM10 emissions from the material transfer via front loader from unloading area to storage pile shall not exceed 0.000052 lb/ton biomass received. [District Rule 2201]
10. PM10 emissions from the material transfer via front loader from the storage pile to trucks shall not exceed 0.000052 lb/ton biomass received. [District Rule 2201]
11. Biomass fuel received by the receiving and storage operation shall not exceed 500 tons in any one day. [District Rule 2201]
12. Emissions from the biomass fuel storage piles shall not exceed 0.00153 lb-PM10 per 1000 ft<sup>2</sup> of fuel storage piles per day. [District Rule 2201]
13. The area of the fuel storage piles shall not exceed 3 acres. [District Rule 2201]
14. Permittee shall maintain records of the quantity of biomass fuel received each day, in tons and the area of the storage piles. [District Rule 2201]
15. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201]
16. 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 or Rule 8011. [District Rules 8011 and 8021]
17. An owner/operator shall submit a Dust Control Plan to the APCO prior to the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential developments, or 5 acres or more of disturbed surface area for non-residential development, or will include moving, depositing, or relocating more than 2,500 cubic yards per day of bulk materials on at least three days. [District Rules 8011 and 8021]
18. When handling bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, wind barriers with less than 50% porosity shall also be used. [District Rules 2201, 8011, and 8031]
19. When storing bulk materials outside an enclosed structure or building, water or chemical/organic stabilizers/suppressants shall be applied as required to limit Visible Dust Emissions to a maximum of 20% opacity. When necessary to achieve this opacity limitation, all bulk material piles shall also be either maintained with a stabilized surface as defined in Section 3.58 of District Rule 8011, or shall be protected with suitable covers or barriers as prescribed in Table 8031-1, Section B, of District Rule 8031. [District Rules 2201, 8011, and 8031]
20. When transporting bulk materials outside an enclosed structure or building, all bulk material transport vehicles shall limit Visible Dust Emissions to 20% opacity by either limiting vehicular speed, maintaining sufficient freeboard on the load, applying water to the top of the load, or covering the load with a tarp or other suitable cover. [District Rules 8011 and 8031]
21. All outdoor chutes and conveyors shall be controlled by any of the following options: 1) full enclosure, 2) operation with water spray equipment that sufficiently wets materials to limit VDE to 20% opacity, or 3) the concentration of particles having an aerodynamic diameter of 10 microns or less in the conveyed material shall be sufficiently small to limit VDE to 20% opacity. [District Rules 2201, 8011, and 8031]

CONDITIONS CONTINUE ON NEXT PAGE

22. Records and other supporting documentation shall be maintained as required to demonstrate compliance with the requirements of the rules under Regulation VIII only for those days that a control measure was implemented. Such records shall include the type of control measure(s) used, the location and extent of coverage, and the date, amount, and frequency of application of dust suppressant, manufacturer's dust suppressant product information sheet that identifies the name of the dust suppressant and application instructions. Records shall be kept for one year following project completion that results in the termination of all dust generating activities. [District Rules 8011, 8031, and 8071]
23. 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 (8/19/04) or Rule 8011(8/19/04). [District Rules 8011 and 8041]
24. 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 or Rule 8011. [District Rules 8011 and 8051]
25. 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 or Rule 8011. [District Rules 8011 and 8061]
26. Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity. [District Rule 8011 and 8071]
27. On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with 3 axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071]
28. Whenever any portion of the site becomes inactive, permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011. [District Rules 8011 and 8071]
29. Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011. [District Rule 8011 and 8071]

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# ATTACHMENT C

## Detailed Facility List

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SJVUAPCD  
NORTHERN

**Detailed Facility Report**  
For Facility=645 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

9/8/15  
8:33 am

DTE STOCKTON, LLC 2526 W. WASHINGTON STREET STOCKTON, CA 95203	FAC # STATUS: TELEPHONE:	N 645 A	TYPE: TOXIC ID:	20283	EXP. DATE:	08/16
			AREA:	9/	INSP. DATE:	08/16
			TRF#	20283	EXP. ON:	11/30/2015

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-645-8-5	Component	999-99	1	0.00	0.00	A	TRONA RECEIVING SILO #1 CONTROLLED BY A FABRIC FILTER BAGHOUSE
N-645-9-5	Component	999-99	1	0.00	0.00	A	TRONA RECEIVING SILO #2 CONTROLLED BY 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-645-29-2	200 bhp IC engine	3020-10 C	1	252.00	252.00	A	200 BHP DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A COMPRESSOR
N-645-33-3	355 bhp IC engine	3020-10 C	1	252.00	252.00	A	355 BHP CUMMINS MODEL #NT855-G2 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
N-645-34-4	No applicable fee	999-99	1	0.00	0.00	A	43,000 GALLONS PER MINUTE COOLING TOWER
N-645-37-0	Component	999-99	1	0.00	0.00	A	BIOMASS RECEIVING OPERATION WITH THREE TRUCK UNLOADING HOPPERS, A DISC SCREEN AND HOGGER, AND ASSOCIATED CONVEYORS, AND BIOMASS STORAGE OPERATION WITH UP TO 5.5 ACRES OF BIOMASS STORAGE PILES
N-645-38-0	Component	999-99	1	0.00	0.00	A	BIOMASS FUEL HANDLING OPERATION WITH BIOMASS METERING BINS, RECLAIM CONVEYORS, AND OTHER ASSOCIATED CONVEYORS

Number of Facilities Reported: 1