



JUN 10 2011

Mr. Stephen Sorrentino
DTE Stockton, LLC
2526 W. Washington St.
Stockton, CA 95203

**Re: Final - Authority to Construct / Certificate of Conformity (Significant Mod)
District Facility # N-645
Project # N-1101175**

Dear Mr. Sorrentino:

The Air Pollution Control Officer has issued Authorities to Construct (N-645-8-5, '-9-5, '-34-4, '-36-0, '-37-0, '-38-0, and '-39-0) with Certificates of Conformity to DTE Stockton, LLC 2526 W. Washington St. in Stockton. DTE Stockton LLC is proposing to replace the existing coal and coke-fired boilers and associated equipment with one biomass-fired boiler and associated equipment.

Enclosed are the Authorities to Construct. The application and proposal were sent to US EPA Region IX on May 4, 2011. All comments received have been addressed by the District. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The notice of final decision for this project will be published approximately three days from the date of this letter.

Prior to operating with modifications authorized by the Authority to Construct, you must submit an application to modify the Title V permit as an administrative amendment in accordance with District Rule 2520, Section 11.5.

Enclosed is an invoice for the engineering evaluation fees. Please remit the amount owed, along with a copy of the attached invoice, within 30 days.

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

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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

Mr. Stephen Sorrentino
Page 2

Sincerely,

A handwritten signature in black ink, appearing to read "D. Warner", with a long horizontal flourish extending to the right.

David Warner
Director of Permit Services

Enclosures
fgd



JUN 10 2011

Mr. Thomas A. Enslow
Adams Broadwell Joseph & Cardoza
520 Capital Mall, Suite 350
Sacramento, CA 95814-4721

**Re: Final - Authority to Construct / Certificate of Conformity (Significant Mod)
District Facility # N-645
Project # N-1101175**

Dear Mr. Enslow:

The Air Pollution Control Officer has issued Authorities to Construct (N-645-8-5, '-9-5, '-34-4, '-36-0, '-37-0, '-38-0, and '-39-0) with Certificates of Conformity to DTE Stockton, LLC 2526 W. Washington St. in Stockton. DTE Stockton LLC is proposing to replace the existing coal and coke-fired boilers and associated equipment with one biomass-fired boiler and associated equipment.

Enclosed is a copy of the Authorities to Construct. The application and proposal were sent to US EPA Region IX on May 4, 2011. All comments received have been addressed by the District. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The notice of final decision for this project will be published approximately three days from the date of this letter.

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

Sincerely,

David Warner
Director of Permit Services

Enclosures
fgd

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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JUN 10 2011

Gerardo C. Rios, Chief
Permits Office
Air Division
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

**Re: Final - Authority to Construct / Certificate of Conformity (Significant Mod)
District Facility # N-645
Project # N-1101175**

Dear Mr. Rios:

The Air Pollution Control Officer has issued Authorities to Construct (N-645-8-5, '-9-5, '-34-4, '-36-0, '-37-0, '-38-0, and '-39-0) with Certificates of Conformity to DTE Stockton, LLC 2526 W. Washington St. in Stockton. DTE Stockton LLC is proposing to replace the existing coal and coke-fired boilers and associated equipment with one biomass-fired boiler and associated equipment.

Enclosed is a copy of the Authorities to Construct. The application and proposal were sent to US EPA Region IX on May 4, 2011. All comments received have been addressed by the District. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The notice of final decision for this project will be published approximately three days from the date of this letter.

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

Sincerely,



David Warner
Director of Permit Services

Enclosures
fgd

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Executive Director/Air Pollution Control Officer

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JUN 10 2011

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

**Re: Final - Authority to Construct / Certificate of Conformity (Significant Mod)
District Facility # N-645
Project # N-1101175**

Dear Mr. Tollstrup:

The Air Pollution Control Officer has issued Authorities to Construct (N-645-8-5, '-9-5, '-34-4, '-36-0, '-37-0, '-38-0, and '-39-0) with Certificates of Conformity to DTE Stockton, LLC 2526 W. Washington St. in Stockton. DTE Stockton LLC is proposing to replace the existing coal and coke-fired boilers and associated equipment with one biomass-fired boiler and associated equipment.

Enclosed is a copy of the Authorities to Construct. The application and proposal were sent to US EPA Region IX on May 4, 2011. All comments received have been addressed by the District. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation.

The notice of final decision for this project will be published approximately three days from the date of this letter.

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

Sincerely,

David Warner
Director of Permit Services

Enclosures
fgd

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585

**NOTICE OF FINAL DECISION
FOR THE ISSUANCE OF AUTHORITY TO CONSTRUCT AND
THE PROPOSED SIGNIFICANT MODIFICATION OF FEDERALLY
MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District has made its final decision to issue Authorities to Construct to DTE Stockton, LLC for power plant at located at 2526 W. Washington St. in Stockton, California. DTE Stockton LLC is proposing to replace the existing coal and coke-fired boilers and associated equipment with one biomass-fired boiler and associated equipment.

The District's analysis of the legal and factual basis for this proposed action, project #N-1101175, is available for public inspection at the District office at the address below. For additional information regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900, or contact David Warner, Director of Permit Services, in writing at SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CA 93726-0244.

District's responses to facility comments received on June 2, 2011:

Comment #1:

DTE will not be using the trona day tanks. Please cancel PTOs N-645-10-4 and '-11-4, along with the applications for ATCs '-10-5 and '-11-5.

District's Response to Comment #1:

Condition 6 on ATC N-645-36-0 has been revised to include PTOs N-645-10-4 and '-11-4. The application for ATCs N-645-10-5 and '-11-5 has been cancelled.

Comment #2:

Please correct the trona throughput limit for ATCs N-645-8-5 and '-9-5 to 365 tons in any one day and 75 ton/day on an annual average basis. This is consistent with the maximum throughput rates for the existing limestone silos.

District Response to Comment #2:

Condition 16 on ATCs N-645-8-5 and '-9-5 have been corrected to 365 tons in any one day and 27,375 tons in any rolling 12-consecutive-month period (equivalent to an average of 75 ton/day). Condition 17 has also been revised to address annual record keeping.

District Responses to Public Comments

The District received comment letters from the following parties:

Joan Buchanan, Assemblymember, 15th District

Gavin Newsom, Lieutenant Governor

San Joaquin Partnership

Carlos Villapudua, San Joaquin County Board of Supervisors, First District

Alysun Huber, Assemblymember, 10th District

Larry Ruhstaller, San Joaquin County Board of Supervisors, Second District

Susan Talamantes Eggman, City of Stockton Councilmember, District 5

Valley CAN

Tom Berryhill, Senator, 14th District

Bill Berryhill, Assemblymember, 26th District

Lois Wolk, Senator, 5th District

Governor's Office of Economic Development

Stockton Chamber of Commerce

Comment #3:

We support this project, which will provide 250 jobs and 45 MW of renewable electrical power while helping California meet its goals for greenhouse gas reductions under AB32.

District Response to Comment #3:

Comments noted.



AUTHORITY TO CONSTRUCT

PERMIT NO: N-645-8-5

ISSUANCE DATE: 06/09/2011

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

LOCATION: 2526 W. WASHINGTON STREET
STOCKTON, CA 95203

EQUIPMENT DESCRIPTION:
MODIFICATION TO CONVERT SILO TO TRONA. POST-PROJECT EQUIPMENT DESCRIPTION IS: TRONA RECEIVING SILO #1 CONTROLLED BY A FABRIC FILTER BAGHOUSE

CONDITIONS

1. Trona shall be received through direct coupled pneumatic unloading truck. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The fabric filters shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filter baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. The differential pressure across each compartment shall be maintained between 1" and 8" water column. [District NSR Rule and 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit

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


DAVID WARNER, Director of Permit Services
N-645-8-5 : Jun 2011 11:53AM -- DEMARISF : Joint Inspection NOT Required

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
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]
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]
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]
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]
19. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
20. Permittee shall submit an application to comply with District Rule 2520 - Federally Mandated Operating Permits prior to commencing operation under this ATC. [District Rule 2520]
21. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]



AUTHORITY TO CONSTRUCT

PERMIT NO: N-645-9-5

ISSUANCE DATE: 06/09/2011

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

LOCATION: 2526 W. WASHINGTON STREET
STOCKTON, CA 95203

EQUIPMENT DESCRIPTION:
MODIFICATION TO REPLACE LIMESTONE USE WITH TRONA. POST-PROJECT EQUIPMENT DESCRIPTION IS:
TRONA RECEIVING SILO #2 CONTROLLED BY A FABRIC FILTER BAGHOUSE

CONDITIONS

1. Trona shall be received through direct coupled pneumatic unloading truck. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The storage silos shall be totally air tight and vented only through a fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The fabric filters shall have a maximum effective air to cloth ratio of 4.5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the fabric filter. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The fabric filter baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. The differential pressure across each compartment shall be maintained between 1" and 8" water column. [District NSR Rule and 2520, 9.3.2] Federally Enforceable Through Title V Permit
7. A spare set of each type of bags shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit

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


DAVID WARNER, Director of Permit Services
N-645-9-5: Jun 9 2011 11:53AM -- DEMARISF : Joint Inspection NOT Required

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
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]
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]
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]
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]
19. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
20. Permittee shall submit an application to comply with District Rule 2520 - Federally Mandated Operating Permits prior to commencing operation under this ATC. [District Rule 2520]
21. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]



AUTHORITY TO CONSTRUCT

PERMIT NO: N-645-34-4

ISSUANCE DATE: 06/09/2011

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

LOCATION: 2526 W. WASHINGTON STREET
STOCKTON, CA 95203

EQUIPMENT DESCRIPTION:
MODIFICATION TO REDUCE VOC LIMIT. POST-PROJECT EQUIPMENT DESCRIPTION IS: 43,000 GALLON PER MINUTE COOLING TOWER

CONDITIONS

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]
2. Permittee shall maintain a log recording the amount of VOC containing material added each day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A list of materials added to the cooling tower and their VOC content shall be kept and made available for District inspection upon request. [District NSR Rule] Federally Enforceable Through Title V Permit
4. No hexavalent chromium containing compounds shall be added to cooling tower circulating water. [District Rule 7012]
5. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
6. Permittee shall submit an application to comply with District Rule 2520 - Federally Mandated Operating Permits prior to commencing operation under this ATC. [District Rule 2520]

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


DAVID WARNER, Director of Permit Services
N-645-34-4 Jun 9 2011 11:53AM - DEMARISF - Joint Inspection NOT Required



AUTHORITY TO CONSTRUCT

PERMIT NO: N-645-36-0

ISSUANCE DATE: 06/09/2011

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

LOCATION: 2526 W. WASHINGTON STREET
STOCKTON, CA 95203

EQUIPMENT DESCRIPTION:

54 MW (GROSS) ELECTRICAL GENERATING STATION WITH A 699 MMBTU/HR STOKER BOILER EQUIPPED WITH A 100 MMBTU/HR NATURAL GAS-FIRED STARTUP BURNER, MULTICLONE AND ELECTROSTATIC PRECIPITATOR, TRONA INJECTION AND WET SCRUBBER, OXIDATION CATALYST, AND SELECTIVE CATALYTIC REDUCTION

CONDITIONS

1. Prior to operating equipment under this Authority to Construct, permittee shall surrender PM10 emission reduction credits for the following quantities of emissions: 1st quarter - 6,929 lb, 2nd quarter - 6,930 lb, 3rd quarter - 6,930 lb, and fourth quarter - 6,930 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
2. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantities of emissions: 1st quarter - 1,450 lb, 2nd quarter - 1,450 lb, 3rd quarter - 1,450 lb, and fourth quarter - 1,450 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Numbers S-2937-4, S-3199-4, S-2971-4, N-717-5, N-718-5, N-931-5, and S-3413-5 (or one or more certificates split from any of these certificates) shall be used to supply the required PM10 offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO


DAVID WARNER, Director of Permit Services
N-645-36-0 Jun 9 2011 11:53AM - DEMARISF Joint Inspection NOT Required

4. ERC Certificate Numbers S-2775-1, S-3373-1, S-3132-1, S-3051-1, S-3504-1, S-3505-1, and S-3503-1 (or one or more certificates split from any of these certificates) shall be used to supply the required VOC offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
5. The permittee is authorized to utilize SOx ERC to satisfy the offset obligation specified in Condition 1. The use of SOx ERC to satisfy the PM10 offset obligation shall be conducted at an interpollutant offset ratio of 1:1. [District Rule 2201]
6. Prior to initial startup of the equipment authorized by this ATC, permittee shall permanently remove from service, and surrender the operating permit for, units N-645-2, '-3, '-4, '-7, '-10, '-11, '-14, '-16, '-20, '-23, '-24, '-31, and '-35. [District Rule 2201]
7. Permittee shall minimize the emissions from the boiler to the maximum extent possible during the commissioning period. Conditions 7 through 15 shall apply only during the commissioning period as defined below. Unless otherwise indicated, Conditions 16 through 95 shall apply after the commissioning period has ended. [District Rule 2201]
8. Commissioning activities are defined as, but not limited to, all testing, adjustment, tuning, and calibration activities recommended by the equipment manufacturers and the DTE construction contractor to insure safe and reliable steady state operation of the unit and associated electrical delivery systems. [District Rule 2201]
9. Commissioning period shall commence when all mechanical, electrical, and control systems are installed and individual system startup has been completed, or when the boiler is first fired, whichever occurs first. The commissioning period shall terminate when the plant has completed initial performance testing, completed final plant tuning, and is available for commercial operation. [District Rule 2201]
10. At the earliest feasible opportunity, in accordance with the recommendations of the equipment manufacturer and the construction contractor, the boiler shall be tuned to minimize emissions. [District Rule 2201]
11. At the earliest feasible opportunity, in accordance with the recommendations of the equipment manufacturers and the construction contractor, each of the pollution control devices (trona injection system, multiclone, electrostatic precipitator, oxidation catalyst, selective catalytic reduction system) shall be installed, adjusted, and operated to minimize emissions from this unit. [District Rule 2201]
12. The permittee shall submit a plan to the District at least four weeks prior to the first firing of this unit, describing the procedures to be followed during the commissioning period. The plan shall include a description of each commissioning activity, the anticipated duration of each activity in hours, and the purpose of the activity. The activities described shall include, but are not limited to, the tuning of the combustor, the installation and operation of each of the pollution control devices, the installation, calibration, and testing of the continuous emissions monitors, and any activities requiring the firing of this unit without abatement by the pollution control devices. [District Rule 2201]
13. Emission rates from the boiler, during the commissioning period, shall not exceed any of the following emission rates: 6,652.8 lb-NOx/day; 2,138.4 lb-SOx/day; 1,188.0 lb-PM10/day; 6,019.2 lb-CO/day; and 617.8 lb-VOC/day. During the commissioning period, the permittee shall demonstrate compliance with the NOx, SOx, and CO emission limits through the use of properly operated and maintained continuous emissions monitors (CEM) and recorders. The monitored parameters for this unit shall be recorded at least once every 15 minutes (excluding normal calibration periods or when the monitored source is not in operation). An exceedance of the NOx, SOx, and CO emission limits, as measured by the continuous emission monitors, shall be a violation of this permit condition. During the commissioning period, the permittee shall demonstrate compliance with the PM10 and VOC emission limits by calculating emissions, using the heat input to the boiler, the operating time, and the emission factors specified in this condition, during each day in which the boiler is operated. PM10 emissions shall be calculated using an emission factor of 0.0214 lb/MMBtu when the ESP secondary power input equals or exceeds the minimum specified in condition 25, and an emission factor of 0.15 lb/MMBtu at all other times. VOC emissions shall be calculated using an emission factor of 0.009 lb/MMBtu when the CO CEM indicates the CO emission rate is below 0.09 lb/MMBtu, and an emission factor of 0.078 lb/MMBtu at all other times. An exceedance of the PM10 and VOC emission limits, as calculated, shall be a violation of this permit condition. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

14. The continuous emissions monitors (CEM) specified in these permit conditions shall be installed, calibrated and operational prior to the first firing of the unit. After first firing, the detection range of the CEM shall be adjusted as necessary to accurately measure the resulting range of emissions concentrations. [District Rule 2201]
15. The total mass emissions of NO_x, SO_x, PM₁₀, CO, and VOC that are emitted during the commissioning period shall be counted toward the quarterly emission limits specified in condition 56. NO_x, SO_x, and CO total mass emissions shall be determined from CEM data, while PM₁₀ and VOC total mass emissions shall be calculated using the heat input to the boiler, the operating time, and the emission factors specified in this condition, during each day in which the boiler is operated. PM₁₀ emissions shall be calculated using an emission factor of 0.0214 lb/MMBtu when the ESP secondary power input equals or exceeds the minimum specified in condition 25, and an emission factor of 0.15 lb/MMBtu at all other times. VOC emissions shall be calculated using an emission factor of 0.009 lb/MMBtu when the CO CEM indicates the CO emission rate is below 0.09 lb/MMBtu, and an emission factor of 0.078 lb/MMBtu at all other times. [District Rule 2201]
16. 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 and 40 CFR 60.43b(f) and (g)]
17. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
18. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
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]
20. 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]
21. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
22. The permittee shall conduct a performance tune-up of the boiler in accordance with the requirements of 40 CFR 63 Subpart JJJJJ within 180 days of initial startup, and at least every 24 months thereafter. The permittee shall submit a signed statement in the Notification of Compliance Status indicating that each tune up was conducted. [40 CFR 63.11210]
23. The permittee shall calibrate and maintain in operation a selective catalytic reduction (SCR) system designed to reduce NO_x emissions from the boiler exhaust stack to less than or equal to 0.040 lb/MMBtu. [District Rule 2201]
24. The electrostatic precipitator shall be provided with continuous monitoring equipment showing the secondary power input, as specified in 40 CFR 63, Subpart JJJJJ. The monitoring equipment shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR 63.11224]
25. The electrostatic precipitator shall be in operation whenever the boiler is operated on biomass. The electrostatic precipitator secondary power input, on a 12-hour block average, shall be maintained at or above the lowest 1-hour average secondary power input measured during the most recent performance test demonstrating compliance with the PM emission limitation, in accordance with Table 3 of 40 CFR 63, Subpart JJJJJ. Transient voltage fluctuations due to arcs and sparks, or similar automatic functions of the electrostatic precipitator, shall not constitute deviations. The electrostatic precipitator shall be maintained in accordance with the manufacturer's recommendations, a copy of which shall be maintained on site. [District Rule 2201, 40 CFR 63.11221 and 40 CFR 64]
26. The wet scrubber shall be provided with monitoring equipment that continuously monitors and records the effluent pH and flow rate of the scrubber liquid. [District Rule 2201]
27. The wet scrubber shall be in operation whenever the boiler is operated on biomass. The effluent pH and liquid flow rate, calculated on a 24-hour block average basis, shall be maintained at or above the average pH and flow rate established during the most recent HCl source test. [District Rule 2201]
28. During start-up or shutdown, the emissions control system shall be in operation, and emissions shall be minimized insofar as technologically possible. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

29. Startup is defined as the period of time beginning with initial boiler firing and ending only when the unit is firing on biomass or wood residue and is in compliance with the NO_x, SO_x, and CO emission limits for non-startup and shutdown operation, and with the minimum ESP secondary power input requirement specified in condition 25. Shutdown is defined as the period of time beginning with the initiation of the boiler shutdown sequence and ending with the cessation of combustion in the boiler. [District Rule 2201]
30. This unit shall only be fired on biomass and wood residue, except that the unit may also be fired on natural gas during startup, shutdown, and flame stabilization periods. [District Rules 2201 and 4102]
31. The total annual heat input to the unit from natural gas combustion shall not exceed 612,324 MMBtu in any one calendar year. [District Rules 4001 and 40 CFR 60.44b(d)]
32. Biomass is defined as any organic material originating from plants, not chemically treated and not derived from fossil fuels, including but not limited to products, by-products, and residues from agriculture, forestry, aquatic and related industries, such as agricultural, energy or feed crops and residues, orchard and vineyard prunings and removal, stone fruit pits, nut shells, cotton gin trash, corn stalks and stover, straw, seedhulls, sugarcane leavings and bagasse, aquatic plants and algae, cull logs, eucalyptus logs, poplars, willows, switchgrass, alfalfa, bark, lawn, yard and garden clippings, paper (unprinted), leaves, silvicultural residue, tree and brush pruning, sawdust, timber slash, mill scrap, wood and wood chips, and wood residue. Biomass does not include tires, material containing sewage sludge, or industrial, hazardous, radioactive, or municipal solid waste. [District Rules 2201 and 4102]
33. Wood residue consists of wood pieces or particles which are generated from the manufacturing or production of wood products, harvesting, processing or storage of raw wood materials, or construction and demolition activities. [District Rules 2201 and 4102]
34. Biomass and wood waste fuels shall not include pressure-treated wood and shall not contain compounds listed in Title 22, California Code of Regulations, 66261.24(a)(2)(A) in excess of the following concentrations by weight: 500 ppm antimony and/or antimony compounds, 500 ppm arsenic and/or arsenic compounds, 1,000 ppm asbestos, 10,000 ppm barium and/or barium compounds (excluding barite), 75 ppm beryllium and/or beryllium compounds, 100 ppm cadmium and/or cadmium compounds, 500 ppm chromium (VI) compounds, 2,500 ppm chromium and/or chromium (III) compounds, 8,000 ppm cobalt and/or cobalt compounds, 2,500 ppm copper and/or copper compounds, 18,000 ppm fluoride salts, 1,000 ppm lead and/or lead compounds, 20 ppm mercury and/or mercury compounds, 3,500 ppm molybdenum and/or molybdenum compounds, 2,000 ppm nickel and/or nickel compounds, 100 ppm selenium and/or selenium compounds, 500 ppm silver and/or silver compounds, 700 ppm thallium and/or thallium compounds, 2,400 ppm vanadium and/or vanadium compounds, and 5,000 ppm zinc and/or zinc compounds. [District Rule 4102]
35. The permittee shall be allowed a 24-month period to evaluate the operational variability and optimum control effectiveness of the proposed exhaust emission control system to meet the design emission rate of 0.040 lb-NO_x/MMBtu. During the evaluation period, the permittee shall operate and maintain the boiler and the emission control system in such a manner as to minimize NO_x emissions, and shall perform all required source testing and monitoring. The evaluation period shall begin upon the first day of the initial source test, and shall terminate after 24 months. [District Rule 2201]
36. During the 24-month evaluation period, NO_x emissions in excess of 0.040 lb/MMBtu, but less than or equal to 0.065 lb/MMBtu, on a block 24-hour average basis shall not constitute a violation of this permit. [District Rule 2201]
37. During the 24-month evaluation period, the permittee shall submit annual status reports on the performance of the NO_x emission control system. Each status report is due at the same time as the annual source test report. The status report shall, at a minimum, include actual operating time, calculated heat input to the boiler, actual NO_x emissions as measured by the CEM system, daily and annual average actual NO_x emission rates (in lb/MMBtu), and an analysis of system performance to date and expected performance for the next year. [District Rule 2201]
38. If NO_x emissions continue to exceed, or are projected to exceed, 0.040 lbs/MMBtu on a block 24-hour average basis after the 24-month evaluation period, the permittee shall submit a final report containing all monitoring and source test data to the District within 90 days after the end of the evaluation period. The report shall include a detailed analysis of all factors that prevent achievement of the expected emission rate, as well as a detailed explanation of the steps taken to operate and maintain the boiler and the emission control system in such a manner as to minimize emissions. The report shall also propose an enforceable NO_x emission limit, which shall not exceed 0.065 lb/MMBtu on a block 24-hour average basis. [District Rule 2201]

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39. Upon submittal of the report, the District shall re-evaluate BACT requirements for NO_x from this class and category of source and establish an appropriate BACT emissions limit. Within 30 days of receipt of the District's determination, the permittee shall submit an Authority to Construct application to incorporate the revised emissions limit. In no case shall the NO_x emission limitation be higher than 0.065 lbs/MMBtu on a block 24-hour average basis. [District Rule 2201]
40. Following the 24-month evaluation period and prior to issuance of an Authority to Construct with a revised NO_x emission limit, NO_x emissions in excess of 0.040 lb/MMBtu, but less than or equal to 0.065 lb/MMBtu, on a block 24-hour average basis shall not constitute a violation of this permit. [District Rule 2201]
41. If NO_x emissions do not exceed, and are not projected to exceed, the expected emission rate of 0.040 lb/MMBtu on a block 24-hour average basis after the 24-month evaluation period, then the expected emission rate of 0.040 lb/MMBtu on a block 24-hour average basis shall become an enforceable NO_x emission limit. If the permittee fails to submit the required final report within 90 days after the end of the evaluation period, the permittee shall be considered to stipulate that an enforceable NO_x emission limit of 0.040 lb/MMBtu on a block 24-hour average basis is achievable and will be made enforceable. [District Rule 2201]
42. Except during periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.065 lb-NO_x/MMBtu. Initial and annual compliance with this limit shall be demonstrated by source testing. Ongoing compliance with this limit shall be determined from CEM data on a block 24-hour average basis as defined in District Rule 4352 (amended May 18, 2006). [District Rules 2201 and 4352]
43. During periods of startup and shutdown emission rate from this biomass-fired boiler shall not exceed 0.74 lb-NO_x/MMBtu. [District Rules 2201 and 4352]
44. NO_x emissions from this biomass-fired boiler shall not exceed 140.00 pounds in any one hour, as specified in District Rule 4301, Section 6.0. [District Rule 4301]
45. Except during periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.09 lb-CO/MMBtu. Initial and annual compliance with this limit shall be demonstrated by source testing. Ongoing compliance with this limit shall be determined from CEM data on a block 24-hour average basis. [District Rules 2201 and 4352]
46. During periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.67 lb-CO/MMBtu. [District Rules 2201 and 4352]
47. Except during periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.054 lb-SO_x/MMBtu. Initial and annual compliance with this limit shall be demonstrated by source testing. Ongoing compliance with this limit shall be determined from CEM data on a block 24-hour average basis. [District Rule 2201]
48. During periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.27 lb-SO_x/MMBtu. [District Rule 2201]
49. Except during periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.0214 lb-PM₁₀/MMBtu. Initial and annual compliance with this limit shall be demonstrated by source testing. [District Rule 2201]
50. During periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.078 lb-PM₁₀/MMBtu. [District Rule 2201]
51. Except during periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.030 lb-PM/MMBtu [40 CFR 60.43b(h)(1) and 40 CFR 63.11201]
52. Except during periods of startup and shutdown, emission rates from this biomass-fired boiler shall not exceed 0.009 lb-VOC/MMBtu. Initial and annual compliance with this limit shall be demonstrated by source testing. [District Rule 2201]
53. During periods of startup and shutdown, emission rate from this biomass-fired boiler shall not exceed 0.068 lb-VOC/MMBtu. [District Rule 2201]
54. Ammonia slip emission rate from this biomass-fired boiler shall not exceed 40 ppmvd @ 3% O₂. Initial and annual compliance with this limit shall be demonstrated by source testing. [District Rule 4102]

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55. HCl emissions from this biomass-fired boiler shall not exceed 19,980 pounds in any rolling 12-consecutive-month period. HCl emissions shall be calculated for comparison to this annual limit using the boiler heat input and the emission factor calculated in the most recent HCl source test. [District Rule 2201]
56. Emissions from this biomass-fired boiler shall not exceed any of the following limits: 1st Quarter: 53,837 lb-NO_x, 34,785 lb-SO_x, 29,133 lb-PM₁₀, 123,959 lb-CO, and 12,400 lb-VOC; 2nd Quarter: 53,837 lb-NO_x, 34,785 lb-SO_x, 29,134 lb-PM₁₀, 123,959 lb-CO, and 12,400 lb-VOC; 3rd Quarter: 53,838 lb-NO_x, 34,785 lb-SO_x, 29,134 lb-PM₁₀, 123,959 lb-CO, and 12,400 lb-VOC; 4th Quarter: 53,838 lb-NO_x, 34,785 lb-SO_x, 29,134 lb-PM₁₀, 123,959 lb-CO, and 12,400 lb-VOC. Compliance with NO_x, SO_x, and CO limits shall be determined from CEM data. Compliance with PM₁₀ and VOC limits shall be calculated using emission factors (the most recent source test results for non-startup/shutdown operation, or the startup/shutdown emission factors at all other times), heat input to the boiler, and operating time. [District Rule 2201]
57. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan shall be submitted for approval at least 15 days prior to testing. [District Rule 1081]
58. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
59. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 1081 and 2201]
60. This unit shall be tested for compliance with the NO_x, CO, PM₁₀, SO_x, VOC, and NH₃ emissions limits within 60 days of achieving the maximum steam production rate at which the unit will be operated, but not more than 180 days after initial startup, and at least once every 12 months thereafter. The PM source test required by condition 61 may be conducted in lieu of PM₁₀ testing required by this condition, provided all PM is assumed to be PM₁₀ as specified in condition 70. [District Rules 1081, 2201, and 4352, and 40 CFR 60.8(a)]
61. This unit shall be tested for compliance with the PM emission limit within 60 days of achieving the maximum steam production rate at which the unit will be operated, but not more than 180 days after initial startup, and at least once every 36 months thereafter. [40 CFR 60.8(a), 40 CFR 60.43b(d), and 40 CFR 63.11220(a)]
62. This unit shall be tested to determine the HCl emission factor within 60 days of achieving the maximum steam production rate at which the unit will be operated, but not more than 180 days after initial startup, and at least once every 12 months thereafter. The permittee shall measure and record the effluent pH and liquid flow rate in the wet scrubber every 15 minutes during the source test. [District Rule 2201]
63. Permittee shall test fuel to determine the higher heating value within 60 days of achieving the maximum steam production rate at which the unit will be operated, but not more than 180 days after initial startup, and at least once every 12 months thereafter. [District Rules 1081 and 2201, and 40 CFR 60.8(a)]
64. Permittee shall test fuel for contaminants within 60 days of achieving the maximum steam production rate at which the unit will be operated, but not more than 180 days after initial startup, and at least once every 12 months thereafter, or whenever requested by the District. The District shall be notified at least 15 days prior to scheduled sample collection. [District Rules 2201 and 4102, and 40 CFR 60.8(a)]
65. Testing of the fuel for contaminants shall be conducted on a representative sample collected upstream of and as close as practicable to the fuel metering bins. [District Rules 2201 and 4102]
66. Fuel shall be tested for contaminants in accordance with the wet extraction test procedure detailed in Title 22 California Code of Regulations, Division 4.5, Chapter 11, Appendix II. [District Rules 2201 and 4102]
67. NO_x emissions for source test purposes shall be determined using EPA Methods 7E and 19 or ARB Method 100 and EPA Method 19. [District Rules 1081 and 4352]
68. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 1081 and 4352]
69. PM₁₀ emissions for source test purposes shall be determined using EPA Methods 201A, 202, and 19. [District Rules 1081 and 4352]

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70. In lieu of performing a source test for PM₁₀, the results of the total particulate test may be used for compliance with the PM₁₀ emission limit provided the results include both the filterable and condensable (back half) particulates, and that all particulate matter is assumed to be PM₁₀. If this option is exercised, source testing shall be conducted using CARB Method 5 or EPA Method 5 (including condensable (back half) particulates). [District Rule 1081]
71. PM emissions required to be source tested under condition 61 shall be determined using EPA Methods 5 or 17 (filterable (front half) PM only), and 19. [40 CFR 60.43b(d)(2) and 40 CFR 63.11212]
72. Stack gas oxygen shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 1081 and 4352]
73. SO_x emissions for source test purposes shall be determined using EPA Method 6 or ARB Method 100. [District Rules 1081 and 4352]
74. VOC emissions for source test purposes shall be determined using EPA Method 18, 25A, or 25B, or ARB Method 100. [District Rules 1081 and 4352]
75. Source testing for ammonia slip shall be conducted utilizing BAAQMD Method ST-1B. [District Rules 1081 and 2201]
76. HCl emissions for source test purposes shall be determined using EPA Methods 26 or 26A, and 19. [District Rule 2201]
77. Testing for fuel higher heating value shall be conducted using ASTM Method D5865-01a or District-approved equivalent method. [District Rules 1081 and 4352, and 40 CFR 75 Appendix F]
78. The exhaust stack shall be equipped with a continuous emissions monitor (CEM) for NO_x, CO, SO_x, and O₂. The CEM shall meet the requirements of 40 CFR parts 60 (for CO) and 75 (for NO_x, SO_x, and O₂), except as specified in 40 CFR 60, Subpart Db, and shall be capable of monitoring emissions during startups and shutdowns as well as during normal operating conditions. The CEM shall be used to demonstrate compliance with the Rule 2201 emission limits. [District Rules 1080 and 2201]
79. Permittee shall install, calibrate, maintain, and operate a continuous opacity monitoring system (COMS) in accordance with 40 CFR 60.48b, and 40 CFR 60 Appendices B and F. The sampling and analyzing cycle shall be completed every successive 10 second period, and the recording cycle shall be completed every successive 6 minute period. The COMS shall be used to demonstrate compliance with the opacity requirements of 40 CFR 43b(f) and (g). [District Rules 1080 and 2201, and 40 CFR 60.48b(a)]
80. Permittee shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080]
81. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080]
82. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NO_x, CO, and O₂ analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Source Emission Monitoring and Testing. [District Rule 1081]
83. Results of continuous emissions monitoring shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080]

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84. Permittee shall perform a relative accuracy test audit (RATA), as specified by 40 CFR Part 75, Appendix B, 2.3.1 for the NO_x, SO_x, and O₂ CEM, at least once every two successive QA operating quarters (as defined in 40 CFR 72.2) unless the monitor satisfies the requirements for reduced RATA frequencies in Section 2.3.1.2. Permittee shall perform a RATA, as specified by 40 CFR Part 60, Appendix F for the CO CEM, at least once every four calendar quarters. Permittee shall perform a cylinder gas audit (CGA) or relative accuracy audit (RAA), as specified by 40 CFR Part 60, Appendix F for the CO CEM in three of four calendar quarters, but no more than three quarters in succession. The District must be notified at least 30 days prior to any RATA, and a test plan shall be submitted for approval at least 15 days prior to testing. The results of each RATA shall be submitted to the District within 60 days thereafter. [District Rule 1080]
85. Permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 75, Appendix B for the NO_x, SO_x, and O₂ CEM, and in 40 CFR Part 60, Appendix F for the CO CEM. [District Rule 1080]
86. Permittee shall submit a written report to the APCO for each calendar quarter, within 30 days of the end of the quarter, including: time intervals, data and magnitude of excess emissions, nature and cause of excess emissions (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting shall correspond to the averaging period for each respective emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 1080]
87. Permittee shall maintain records of the date and duration of start-up and shutdown periods. [District Rules 2201 and 4352]
88. Permittee shall record the heat input to the unit from each fuel combusted on a daily basis. Permittee shall maintain records of the annual capacity factor for each fuel combusted on a 12-month rolling average basis, and shall update the annual capacity factor for each fuel at the end of each calendar month. [District Rules 1070 and 4001, and 40 CFR 60.49b(d)(1)]
89. Permittee shall retain and maintain on site all data from the continuous opacity monitoring system. [District Rules 1070 and 4001, and 40 CFR 60.39b(f)]
90. Permittee shall maintain records of solid fuel higher heating value and fuel contaminant testing results. [District Rules 1070 and 4352]
91. Permittee shall maintain records of emissions from this boiler on a calendar quarter basis. Records of quarterly emissions shall be updated at least once each calendar month in which the boiler operates. [District Rule 2201]
92. Permittee shall maintain records of HCl emissions from this boiler on a rolling 12-consecutive-month basis. Records of HCl emissions shall be updated at least once each calendar month in which the boiler operates. [District Rules 2201, 4002, and 4102]
93. 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 Rules 2201 and 4352]
94. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
95. Permittee shall submit an application to comply with District Rule 2520 - Federally Mandated Operating Permits prior to commencing operation under this ATC. [District Rule 2520]



AUTHORITY TO CONSTRUCT

PERMIT NO: N-645-37-0

ISSUANCE DATE: 06/09/2011

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

LOCATION: 2526 W. WASHINGTON STREET
STOCKTON, CA 95203

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

CONDITIONS

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]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. 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]
4. 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]
5. 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]

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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


DAVID WARNER, Director of Permit Services

N-645-37-0, Jun 9 2011 11:53AM - DEMARISF . Joint Inspection NOT Required

6. 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]
7. 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]
8. 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]
9. 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]
10. 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]
11. Permittee shall maintain records of the quantity of biomass fuel received each day, in tons. [District Rule 2201]
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]
13. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Permittee shall submit an application to comply with District Rule 2520 - Federally Mandated Operating Permits prior to commencing operation under this ATC. [District Rule 2520]
15. 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]
16. 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]
17. 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]
18. 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]
19. 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]
20. 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

21. 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]
22. 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]
23. 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]
24. 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]
25. 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]
26. 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]
27. 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]
28. 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]
29. Upon implementation of this Authority to Construct, ATC N-645-39-0 shall be cancelled. [District Rule 2201]



AUTHORITY TO CONSTRUCT

PERMIT NO: N-645-38-0

ISSUANCE DATE: 06/09/2011

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

LOCATION: 2526 W. WASHINGTON STREET
STOCKTON, CA 95203

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

CONDITIONS

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]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. 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]
4. Visible emissions from all conveyor transfer points shall not exceed 20% opacity as determined using EPA Method 9. [District Rule 2201]
5. 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]
6. 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]

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



DAVID WARNER, Director of Permit Services
N-645-38-0: JUN 9 2011 11:53AM - DEMARISF - Joint Inspection NOT Required

7. 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]
8. 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]
9. Permittee shall maintain records of the quantity of biomass fuel processed through the fuel metering bins each day, in tons. [District Rule 2201]
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]
11. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
12. Permittee shall submit an application to comply with District Rule 2520 - Federally Mandated Operating Permits prior to commencing operation under this ATC. [District Rule 2520]
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]
14. 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]
15. 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]
16. 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]
17. 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]
18. 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]
19. 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]
20. 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]

CONDITIONS CONTINUE ON NEXT PAGE

21. 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]
22. 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]
23. 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]
24. 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]
25. 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]



AUTHORITY TO CONSTRUCT

PERMIT NO: N-645-39-0

ISSUANCE DATE: 06/09/2011

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

LOCATION: 2526 W. WASHINGTON STREET
STOCKTON, CA 95203

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 2.1 ACRES OF BIOMASS STORAGE PILES

CONDITIONS

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]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. 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]
4. 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]
5. 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]

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



DAVID WARNER, Director of Permit Services
06/09/2011 11:53AM - DEMARISF : Joint Inspection NOT Required

6. 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]
7. 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]
8. PM10 emissions from the biomass fuel receiving operation shall not exceed 0.000539 lb/ton on a daily average basis and 0.000557 lb/ton on an annual average basis. [District Rule 2201]
9. 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]
10. 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]
11. Permittee shall maintain records of the quantity of biomass fuel received each day, in tons. [District Rule 2201]
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]
13. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District NSR Rule] Federally Enforceable Through Title V Permit
14. Permittee shall submit an application to comply with District Rule 2520 - Federally Mandated Operating Permits prior to commencing operation under this ATC. [District Rule 2520]
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]
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]
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]
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]
19. 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]
20. 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]

CONDITIONS CONTINUE ON NEXT PAGE

21. 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]
22. 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]
23. 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]
24. 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]
25. 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]
26. 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]
27. 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]
28. 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]
29. Upon implementation of this Authority to Construct, ATC N-645-37-0 shall be cancelled. [District Rule 2201]



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

Due Date
8/8/2011

Amount Due
\$ 25,182.00

Amount Enclosed

ATCFEE N1101175
645 N86511 6/9/2011

RETURN THIS TOP PORTION ONLY, WITH REMITTANCE TO:

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

SJVAPCD
4800 Enterprise Way
Modesto, CA 95356-8718

Thank You!



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

Facility ID
N645

Invoice Date
6/9/2011

Invoice Number
N86511

Invoice Type
Project: N1101175

SJVAPCD Tax ID: 77-0262563

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

PROJECT NUMBER: 1101175

APPLICATION FILING FEES	\$ 710.00
ENGINEERING TIME FEES	\$ 25,040.00
TOTAL FEES	\$ 25,750.00
LESS PREVIOUSLY PAID PROJECT FEES APPLIED TO THIS INVOICE	(\$ 568.00)
PROJECT FEES DUE (Enclosed is a detailed statement outlining the fees for each item.)	\$ 25,182.00

Late Payment (see Rule 3010, Section 11.0 Late Fees)	
Postmarked	Total Due
After 8/8/2011 through 8/18/2011	\$ 27,700.20
After 8/18/2011	\$ 37,773.00
After 9/7/2011	Permits To Operate MAY BE SUSPENDED

San Joaquin Valley Air Pollution Control District
4800 Enterprise Way, Modesto, CA 95356-8718, (209) 557-6400, Fax (209) 557-6475

Invoice Detail

Facility ID: N645

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

Invoice Nbr: N86511
Invoice Date: 6/9/2011
Page: 1

Application Filing Fees

Project Nbr	Permit Number	Description	Application Fee
N1101175	N-645-8-5	MODIFICATION TO CONVERT SILO TO TRONA. POST-PROJECT EQUIPMENT DESCRIPTION IS: TRONA RECEIVING SILO #1 CONTROLLED BY A FABRIC FILTER BAGHOUSE	\$ 71.00
N1101175	N-645-9-5	MODIFICATION TO REPLACE LIMESTONE USE WITH TRONA. POST-PROJECT EQUIPMENT DESCRIPTION IS: TRONA RECEIVING SILO #2 CONTROLLED BY A FABRIC FILTER BAGHOUSE	\$ 71.00
N1101175	N-645-10-5	MODIFICATION TO CONVERT TO TRONA USE. POST-PROJECT EQUIPMENT DESCRIPTION IS: 3.5 TON TRONA DAY TANK #1 CONTROLLED BY A FABRIC FILTER BAGHOUSE	\$ 71.00
N1101175	N-645-11-5	MODIFICATION TO CONVERT TO TRONA USE. POST-PROJECT EQUIPMENT DESCRIPTION IS: 3.5 TON TRONA DAY TANK #2 CONTROLLED BY A FABRIC FILTER BAGHOUSE	\$ 71.00
N1101175	N-645-23-4	MODIFICATION TO CONVERT TO BIOMASS USE. POST-PROJECT EQUIPMENT DESCRIPTION IS: 2.1 ACRE NORTH BIOMASS STOCKPILE	\$ 71.00
N1101175	N-645-34-4	MODIFICATION TO REDUCE VOC LIMIT. POST-PROJECT EQUIPMENT DESCRIPTION IS: 43,000 GALLON PER MINUTE COOLING TOWER	\$ 71.00
N1101175	N-645-36-0	54 MW (GROSS) ELECTRICAL GENERATING STATION WITH A 699 MMBTU/HR STOKER BOILER EQUIPPED WITH A 100 MMBTU/HR NATURAL GAS-FIRED STARTUP BURNER, MULTICLONE AND ELECTROSTATIC PRECIPITATOR, TRONA INJECTION AND WET SCRUBBER, OXIDATION CATALYST, AND SELECTIVE CATALYTIC REDUCTION	\$ 71.00
N1101175	N-645-37-0	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	\$ 71.00
N1101175	N-645-38-0	BIOMASS FUEL HANDLING OPERATION WITH BIOMASS METERING BINS, RECLAIM CONVEYORS, AND OTHER ASSOCIATED CONVEYORS	\$ 71.00
N1101175	N-645-39-0	BIOMASS RECEIVING OPERATION WITH THREE TRUCK UNLOADING HOPPERS, A DISC SCREEN AND HOGGER, AND ASSOCIATED CONVEYORS, AND BIOMASS STORAGE OPERATION WITH UP TO 2.1 ACRES OF BIOMASS STORAGE PILES	\$ 71.00
Total Application Filing Fees:			\$ 710.00

Engineering Time Fees

Project Nbr	Quantity	Rate	Description	Fee
N1101175	257.5 hours	\$ 100.00 /h	Standard Engineering Time	\$ 25,750.00
			Less Credit For Application Filing Fees	(\$ 710.00)
			Standard Engineering Time SubTotal	\$ 25,040.00
Total Engineering Time Fees:				\$ 25,040.00