



APR 27 2011

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

**Re: Notice of Final Action - Minor Title V Permit Modification
District Facility # N-645
Project # N-1101828**

Dear Mr. Sanch:

The Air Pollution Control Officer has modified the Title V permit for DTE Stockton, LLC by incorporating N-645-14-11 and '-16-11. This modification is to designate both coal-fired boilers as dormant emission units.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on March 15, 2011. No comments were received following the District's preliminary decision on this project.

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

DW: fgd

Enclosures

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



APR 27 2011

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

**Re: Notice of Final Action - Minor Title V Permit Modification
District Facility # N-645
Project # N-1101828**

Dear Mr. Rios:

The Air Pollution Control Officer has modified the Title V permit for DTE Stockton, LLC by incorporating N-645-14-11 and '-16-11. This modification is to designate both coal-fired boilers as dormant emission units.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on March 15, 2011. No comments were received following the District's preliminary decision on this project.

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,

for. 
David Warner
Director of Permit Services

DW: fgd

Enclosures

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-14-13

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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

44. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. For purposes of annual Relative Accuracy Audit Testing, the applicable standards are 0.29 lb/MMBtu for SO_x and 0.6 lb/MMBtu for NO_x. [District Rule 1080, 6.5; 40 CFR 64.3; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
45. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR 64.3 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
46. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2 and 40 CFR 64.9] Federally Enforceable Through Title V Permit
47. Upon recommencing operation, records of continuous emissions monitoring system shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3, 40 CFR 64.9 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
48. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
49. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 2520, 9.5.1; District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
50. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. Excess emissions shall be defined as any three-hour period during which emissions of SO_x or NO_x as measured by CEM system exceeds the SO_x and NO_x maximum emission limits set forth for each the pollutants in this permit except for the SO_x and NO_x 3-hour emission limits during normal startup or shutdown or during fuel switching. [District Rule 1080, 9.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
51. Operator shall notify the District no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rule 1080, 10.0] Federally Enforceable Through Title V Permit
52. Upon detecting any excursion from the acceptable range of differential pressure readings, the Permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR 64.7] Federally Enforceable Through Title V Permit
53. The permittee shall maintain daily average records of the differential pressure across the baghouse filter. [40 CFR 64.9] Federally Enforceable Through Title V Permit
54. If the daily average baghouse differential pressure is not within the acceptable established range for two consecutive days, permittee shall notify the APCO of such exceedance within 96 hours. [40 CFR 64.3] Federally Enforceable Through Title V Permit
55. Upon recommencing operation, the permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR 64.7] Federally Enforceable Through Title V Permit
56. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit

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

57. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
58. The operator shall record hours of operation of circulating fluidized bed boiler and daily amounts of each solid fuel and fuel oil fired. Such records shall be kept on the premises for District inspection. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
59. An ultimate analysis for each stock of fuel received (both solid fuels and fuel oil) shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include sulfur content of the fuel received. [District NSR Rule and District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
60. Upon recommencing operation, baghouse shall be completely inspected for evidence of particulate matter leaks at least annually and whenever COM system indicates increased opacity, and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
61. Upon recommencing operation, bags shall be completely inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
62. Records of baghouse maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
63. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
64. The fuel supply line shall be physically disconnected from the startup burner serving this unit. [District Rule 4352]
65. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 4352]
66. Operator shall notify the District at least seven calendar days prior to recommencing operation of this dormant emissions unit, at which time this permit will be administratively modified to remove DEU references. [District Rule 4352]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-645-16-13

EXPIRATION DATE: 11/30/2010

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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

44. The continuous emissions monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix B; 40 CFR 60, Appendix F; and 40 CFR 51, Appendix P, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. For purposes of annual Relative Accuracy Audit Testing, the applicable standards are 0.29 lb/MMBtu for SO_x and 0.6 lb/MMBtu for NO_x. [District Rule 1080, 6.5; 40 CFR 64.3; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
45. Upon recommencing operation, operator shall operate and maintain in calibration a system which continuously measures and records stack gas volumetric flow rates meeting the performance specifications of 40 CFR Part 52, Appendix E. [40 CFR 64.3 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
46. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [District Rule 1080, 7.2 and 40 CFR 64.9] Federally Enforceable Through Title V Permit
47. Upon recommencing operation, records of continuous emissions monitoring system shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEMs that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3, 40 CFR 64.9 and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
48. Permittee shall submit a CEMs written report for each calendar quarter to the District and to EPA. The report is due on the 30th day following the end of the calendar quarter. [District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
49. Quarterly report shall include: time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. [District Rule 2520, 9.5.1; District Rule 1080, 8.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
50. Any violation of emission standards, as indicated by the CEM, shall be reported by the operator to the APCO within 96 hours. Excess emissions shall be defined as any three-hour period during which emissions of SO_x or NO_x as measured by CEM system exceeds the SO_x and NO_x maximum emission limits set forth for each the pollutants in this permit except for the SO_x and NO_x 3-hour emission limits during normal startup or shutdown or during fuel switching. [District Rule 1080, 9.0; and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
51. Operator shall notify the District no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the District of the intent to shut down the CEM at least 24 hours prior to the event. [District Rule 1080, 10.0] Federally Enforceable Through Title V Permit
52. Upon detecting any excursion from the acceptable range of differential pressure readings, the Permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR 64.7] Federally Enforceable Through Title V Permit
53. The permittee shall maintain daily average records of the differential pressure across the baghouse filter. [40 CFR 64.9] Federally Enforceable Through Title V Permit
54. If the daily average baghouse differential pressure is not within the acceptable established range for two consecutive days, permittee shall notify the APCO of such exceedance within 96 hours. [40 CFR 64.3] Federally Enforceable Through Title V Permit
55. Upon recommencing operation, the permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR 64.7] Federally Enforceable Through Title V Permit
56. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit

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

57. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR 64.8] Federally Enforceable Through Title V Permit
58. The operator shall record hours of operation of circulating fluidized bed boiler and daily amounts of each solid fuel and fuel oil fired. Such records shall be kept on the premises for District inspection. [District NSR Rule and PSD ATC SJ 85-05] Federally Enforceable Through Title V Permit
59. An ultimate analysis for each stock of fuel received (both solid fuels and fuel oil) shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include sulfur content of the fuel received. [District NSR Rule and District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
60. Upon recommencing operation, baghouse shall be completely inspected for evidence of particulate matter leaks at least annually and whenever COM system indicates increased opacity, and shall be repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
61. Upon recommencing operation, bags shall be completely inspected annually while not in operation for tears, scuffs, abrasions or holes which might interfere with PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
62. Records of baghouse maintenance, inspection, and repairs shall be maintained. The records shall include identification of equipment, date of inspection, corrective action taken, and identification of individual performing inspection. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
63. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
64. The fuel supply line shall be physically disconnected from the startup burner serving this unit. [District Rule 4352]
65. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 4352]
66. Operator shall notify the District at least seven calendar days prior to recommencing operation of this dormant emissions unit, at which time this permit will be administratively modified to remove DEU references. [District Rule 4352]

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