



AUG 27 2012

Larry Osborne
Madera Power, LLC
P.O. Box 305
Firebaugh, CA 93622

**Re: Notice of Minor Title V Permit Modification
District Facility # C-799
Project # C-1121331**

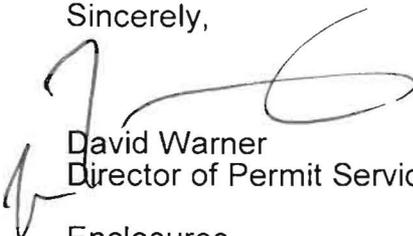
Dear Mr. Osborne:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued Authority to Construct C-799-3-12 into the Title V operating permit. The applicant proposes to replace the existing steam-driven turbine/generator set that was damaged with a new turbine/generator set rated at 32.85 MW with a steam consumption rate of 7.256 million lb/day.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authority to Construct C-799-3-12, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

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

Sincerely,



David Warner
Director of Permit Services

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
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34946 Flyover Court
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Tel: 661-392-5500 FAX: 661-392-5585



AUG 27 2012

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

**Re: Notice of Minor Title V Permit Modification
District Facility # C-799
Project # C-1121331**

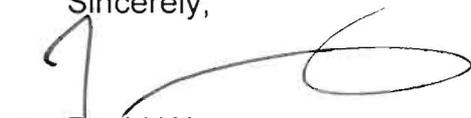
Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. Madera Power, LLC is proposing a Title V minor permit modification to incorporate the recently issued Authority to Construct C-799-3-12 into the Title V operating permit. The applicant proposes to replace the existing steam-driven turbine/generator set that was damaged with a new turbine/generator set rated at 32.85 MW with a steam consumption rate of 7.256 million lb/day.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued Authority to Construct C-799-3-12, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

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

Sincerely,


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TITLE V APPLICATION REVIEW

Minor Modification
Project #: C-1121331

Engineer: Stanley Tom
Date: August 9, 2012

Facility Number: C-799
Facility Name: Madera Power, LLC
Mailing Address: P.O. Box 305
Firebaugh, CA 93622

Contact Name: Larry Osborne
Phone: (559) 659-4791

Responsible Official: Larry Osborne
Title: General Manager

I. PROPOSAL

Madera Power, LLC is proposing a Title V minor permit modification to incorporate the recently issued ATC C-799-3-12 into the Title V operating permit. The applicant proposes to replace the existing steam-driven turbine/generator set that was damaged with a new turbine/generator set rated at 32.85 MW with a steam consumption rate of 7.256 million lb/day.

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

II. FACILITY LOCATION

11427 Firebaugh Blvd
Firebaugh, CA

III. EQUIPMENT DESCRIPTION

C-799-3-23: 32.85 MW RESOURCE RECOVERY FACILITY BOILER/GENERATOR INCLUDING: 460 MMBTU/HR ATMOSPHERIC FLUIDIZED BED BOILER, MULTICLONE, BAGHOUSE, REAGENT INJECTION SYSTEM, AMMONIA INJECTION SYSTEM, PROPANE OR NATURAL GAS-FIRED START-UP PREHEATER, WITH CONTINUOUS EMISSION MONITORS

IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

V. APPLICABLE REQUIREMENTS

District Rule 2520, Federally Mandated Operating Permits (Adopted June 21, 2001)

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

C-799-3-23:

Modified Conditions		
Proposed Condition #	Revised Condition Description	Current Condition #
28	The gross power production has been increased.	28
29	The steam production has been increased.	29

VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;

3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

VIII. ATTACHMENTS

- A. Proposed Modified Title V Operating Permit No. C-799-3-23
- B. Authority to Construct No. C-799-3-12
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permit No C-799-3-16

ATTACHMENT A

Proposed Modified Title V Operating Permit No.
C-799-3-23

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-799-3-23

EXPIRATION DATE: 05/31/2012

EQUIPMENT DESCRIPTION:

32.85 MW RESOURCE RECOVERY FACILITY BOILER/GENERATOR INCLUDING: 460 MMBTU/HR ATMOSPHERIC FLUIDIZED BED BOILER, MULTICLONE, BAGHOUSE, REAGENT INJECTION SYSTEM, AMMONIA INJECTION SYSTEM, PROPANE OR NATURAL GAS-FIRED START-UP PREHEATER, WITH CONTINUOUS EMISSION MONITORS

PERMIT UNIT REQUIREMENTS

1. Specific Limiting Condition (SLC) limiting the annual emissions from the fuel handling listed under permit C-799-1, boiler/generator listed under permit C-799-3, the screening operation listed under permit C-799-6, the grinding operation listed under permit C-799-7 and the transportable IC engine listed under permit C-799-8 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: 417,600 lb-NO_x/year, 54,000 lb-SO_x/year, 83,520 lb-PM₁₀/year, 501,120 lb-CO/year, or 200,448 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit
2. {233} The APCO or any authorized representative, upon request, shall have access to, and copies of, any records required to be kept under the terms and conditions of this permit. [CH&SC 42303]
3. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
4. The atmospheric fluidized bed (AFB) boiler shall not operate in excess of 348 days per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Natural gas or propane burners shall be used during start-up and for combustor stabilization throughout the chamber prior to the introduction of solid fuel. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Particulate matter concentrations shall not exceed 0.024 grains/dscf. [District Rules 2201, 4201 and 4301] Federally Enforceable Through Title V Permit
7. Expected emissions of combustion contaminants from the fluidized bed boiler, as particulate matter (PM), will not exceed 10 lb/hr, as measured by EPA Method 5. [District Rule 4301] Federally Enforceable Through Title V Permit
8. Ash sample testing for substances not considered to be combustion contaminants using ion chromatography shall be performed at least once every 12 calendar months. [District Rule 2201] Federally Enforceable Through Title V Permit
9. A representative sample of ash shall be collected during source testing and analyzed by ion chromatography to determine the percentage of combustion contaminants exiting the stack. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The PM source test result may be adjusted based on the fraction of combustion contaminants from the ash sample test results to determine the hourly combustion contaminant emission rate. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Total PM₁₀ shall not exceed 11.2 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emissions from this unit shall not exceed any of the following limits: 50 lb-NO₂/hr (1,200 lb-NO₂/day), 24 lb-ROG/hr (576 lb-ROG/day), 29 lb-SO₂/hr (696 lb-SO₂/day), 240 lb-PM/day, or 60 lb-CO/hr (1,440 lb-CO/day). [District Rules 2201 and 4301] 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. Ammonia emissions shall not exceed 100 parts per million. [District Rule 2201] Federally Enforceable Through Title V Permit
14. A quarterly report of the daily fuel usage and type shall be submitted to the District by the 30th day of the following month. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Offset creditable fuels are limited to the following: alfalfa straw, almond prunings, apple prunings, apricot prunings, barley straw, bean straw/stalks, cherry prunings, citrus prunings, corn stalks, fig prunings, forest slash/cull, grape prunings, generic orchard prunings, milo sorghum, nectarine prunings, olive prunings, peach prunings, pecan prunings, pistachio prunings, plum prunings, rice straw, wheat straw, walnut prunings, and generic field crops historically open burned in the San Joaquin Valley air basin. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Fuels for the AFB boiler are limited to the following: alfalfa straw, almond prunings, almond shells, apple prunings, apricot prunings, barley straw, bean straw/stalks, cedar bark, cherry pits, cherry prunings, citrus prunings, coffee grounds, corn stalks, cotton gin trash, cotton stalks, ditchbank or canal weeds, fig prunings, forest slash/cull, grape pomace, grape prunings, generic orchard prunings, hog fuel (mill residue), landscape tree trimmings, milo sorghum, nectarine pits, nectarine prunings, olive pits, olive pomace, olive prunings, pallet/bins wood, peach pits, peach prunings, peanut shells, pecan prunings, pecan shells, pistachio prunings, pistachio shells, plum prunings, prune pits, raisin pomace, rice straw, sawdust, tomato pomace, tumbleweeds, turkey (wood) shavings, urban development clearing trees, walnut prunings, walnut shells, wheat straw, unburned fuel, and paper. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Urban wood waste (construction, demolition, and landfill derived wood wastes) is approved as fuel so long as there is less than 1% by weight, of plastic, rubber and other non-wood combustibles (other than dirt or ash). [District Rule 4102]
18. All stack emissions shall be offset with creditable biomass on an annual basis. [District Rule 2201] Federally Enforceable Through Title V Permit
19. Emission offset credits shall be calculated using the following formula: $EC(y) = \text{Summation}[1/DF(i) \times T(i) \times EF(i)]$, where $EC(y)$ = the amount of offset credit available for the year, i = the i th load of biomass combusted for the offset year, $DF(i)$ = the distance factor for the i th load of biomass, $T(i)$ = the number of tons of biomass in the i th load, and $EF(i)$ = the emission factor for the type of biomass in the i th load. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The biomass offset Distance Factor shall be 1.2 for sources within a 15-mile radius and 2.0 for sources outside the 15-mile radius. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Open burn emission factors used to determine the quantity of offsets available from the diversion of biomass from open-burning shall be obtained from District Policy SSP 2005 "Open Burn Emission Factors." [District Rule 2201] Federally Enforceable Through Title V Permit
22. Daily records of biomass consumption shall be maintained which include the type, mass and geographic origin of all creditable biomass received and used. Records shall include certifications that any creditable biomass has historically been openly burned in the San Joaquin Valley air basin. [District Rules 2201 and 4352] Federally Enforceable Through Title V Permit
23. Monthly records of all fuel consumption (including biomass and all other permitted fuels) shall be kept. Records shall include type, quantity, and higher heating value (HHV) for each fuel used. [District Rule 4352] Federally Enforceable Through Title V Permit
24. Annual records shall be maintained which quantify the total amount of stack emissions and the total amount of offsets claimed from the diversion of creditable biomass from open-burning, and which include calculations demonstrating that the total amount of annual offsets claimed is sufficient to fully offset the annual stack emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Amount of paper used for fuel shall not exceed 50% of the total fuel consumption. [District Rule 4102]
26. No fuel shall be chemically treated, painted, or oil stained. [District Rule 4102]

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

27. Fuel feed rate shall not exceed a maximum of 460 MMBtu/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Gross power production shall not exceed 32.85 Megawatts. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Steam production shall not exceed 7,256,000 pounds per day at 900 øF and 850 psig. [District Rule 2201] Federally Enforceable Through Title V Permit
30. If urban wood wastes have been burned during the 365 day period prior to October 31 of any year, fuel testing shall be conducted by December 31 of that year. [District Rule 4102]
31. Fuel testing shall be conducted as follows: one truckload of urban wood waste fuel shall be weighed, dumped, and all contaminants shall be sorted from the fuel, identified and weighed. The report for this test shall be forwarded to the District by January 31 (one month after fuel testing deadline). [District Rule 4102]
32. The District shall be contacted and notified of the proposed date of any fuel testing. [District Rule 2201] Federally Enforceable Through Title V Permit
33. In addition to the scheduled annual fuel testing, testing shall also be performed on urban wood waste on-site within 24 hours of any such request of District staff. [District Rule 2201] Federally Enforceable Through Title V Permit
34. Permittee shall provide a toxics emissions test plan and protocol within 120 operating days of restarting facility and will initiate testing within 60 days of ARB and SJVAPCD approval of the protocol. [District Rule 4102]
35. In accordance with the Air Toxics "Hot Spots" Information and Assessment Act of 1987 (amended June 1993), the facility shall be source tested for the following while fired on the maximum proposed mix of urban wood waste: full set of metals, PAHs, dioxins, furans, formaldehyde, acetaldehyde, PCBs and POM. The ratio of urban wood waste to other fuel combusted during the toxics testing will become the maximum ratio allowed for all subsequent combustion, unless otherwise revised under future Authorities to Construct. [District Rule 4102]
36. Urban woodwaste combustion shall cease within 462 days of operation, beginning the date of facility restart, unless an application for Authority to Construct (ATC), based on refined health risk assessment is filed and approved. [District Rule 4102]
37. Records shall be maintained of the number of days of operation since "restart" occurred. [District Rule 4102]
38. The baghouse shall consist of 2,310 bags with a rating of 226,000 acfm. [District Rule 2201] Federally Enforceable Through Title V Permit
39. All modules of the baghouse shall be equipped with a manometer which shall be calibrated on an annual or more frequent basis. [District Rule 2201] Federally Enforceable Through Title V Permit
40. The multiclone shall consist of a 1,500 hp motor with 200-11.5 inch collector tubes. [District Rule 2201] Federally Enforceable Through Title V Permit
41. The reagent injection system shall consist of a 2,540 cubic foot silo. [District Rule 2201] Federally Enforceable Through Title V Permit
42. The reagent bin for the dry additive injection system shall be under negative pressure whenever reagent is being loaded into the bin. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The ammonia injection system includes 36 nozzles. [District Rule 2201] Federally Enforceable Through Title V Permit
44. The air flow rate and ammonia injection rate shall be monitored continuously and recorded. [District Rule 2201] Federally Enforceable Through Title V Permit
45. Particulate matter emissions in the exhaust gas from this unit shall not exceed 0.03 lb/MMBtu heat input. [40 CFR 60.42Da(a)(1) and (2)] Federally Enforceable Through Title V Permit
46. The opacity of the exhaust gas from this unit shall not exceed 20 percent based on a 6-minute average except for one 6-minute period per hour of not more than 27 percent opacity. [40 CFR 60.42Da(b) and 40 CFR 64.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

47. Sulfur dioxide (SO₂) emissions from the biomass unit shall not exceed 1.20 lb/MMBtu heat input. [40 CFR 60.43Da(d)(2)] Federally Enforceable Through Title V Permit
48. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Madera County Rule 404] Federally Enforceable Through Title V Permit
49. SO₂ emissions shall be calculated based on the arithmetic average of all hourly emissions rates for SO₂ for the 30 successive boiler operating days. [40 CFR 60.48Da(g)] Federally Enforceable Through Title V Permit
50. Except for periods of start-up or shutdown, emissions concentrations in the exhaust from the unit shall not exceed any of the following limits based on a block 24 hour average : 115 ppmv NO_x at 3% O₂ or 400 ppmv CO at 3% O₂. [40 CFR 60.44Da(a) and District Rule 4352] Federally Enforceable Through Title V Permit
51. The duration of each shutdown shall not exceed twelve (12) hours except as provided in Section 5.3.4 of District Rule 4352. [District Rule 4352] Federally Enforceable Through Title V Permit
52. Except as provided in Section 5.3.4 of District Rule 4352, the duration of each start-up shall not exceed 96 hours, or 192 hours if curing of the refractory is required after a modification. [District Rule 4352] Federally Enforceable Through Title V Permit
53. When two or more fuels are combusted simultaneously, NO_x emissions shall not exceed the prorated emissions calculated using the following formula: $E_n = [86w + 260z]/100$, where: E_n is the applicable standard for nitrogen oxides when multiple fuels are combusted simultaneously (ng/J heat input); w is the percentage of total heat input derived from the combustion of gaseous fuels; and z is the percentage of total heat input derived from the combustion of solid fuels. [40 CFR 60.44Da(c)] Federally Enforceable Through Title V Permit
54. Applicable emissions standards of 40 CFR part 60 for PM, SO₂, and NO_x apply at all times except during the startup, shutdown, or malfunction. [40 CFR 60.48Da(c)] Federally Enforceable Through Title V Permit
55. Continuous Emission Monitoring systems (CEMs) shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7 (c) and 60.13. CEMs must also satisfy the Performance Specifications of 40 CFR Part 51 Appendix P and 40 CFR Part 60 Appendix B, Performance Specifications 2, 3, and 4, and the Relative Accuracy Test Audit of Appendix F. [District Rules 1080, 2201 and 4352, 40 CFR 49Da(w) and 40 CFR 64.3] Federally Enforceable Through Title V Permit
56. The continuous emissions monitoring systems (CEMs) for NO_x, SO₂, and CO and continuous monitoring system for opacity and O₂ concentration shall be calibrated and maintained operational at all times including the periods of startup, shutdown, malfunction, and emergency conditions, except for the CEMs breakdowns, repairs, calibrate checks, and zero and span adjustments. [40 CFR 60.49Da(a), (b), (c), (d), and (e), 40 CFR 64.3 and District Rule 4352] Federally Enforceable Through Title V Permit
57. Hourly emissions for NO_x (as NO₂), SO₂, and CO shall be based on a consecutive three-hour average as determined by the CEM system. [District Rule 1080] Federally Enforceable Through Title V Permit
58. The owner or operator shall obtain emission data for at least 18 hours in at least 22 hours out of the 30 successive boiler operating days. If this minimum data cannot be obtained, the operator or owner shall supplement emission data with alternate monitoring system approved by the APCO or methods and procedures described in section 60.47a(h) of 40 CFR 60, Subpart Da. [40CFR 60.49Da(f) and 40 CFR 64.9] Federally Enforceable Through Title V Permit
59. The owner or operator shall use methods and procedures described in 40 CFR 60.47a(i) to conduct monitoring system performance evaluations and calibrate checks under subpart 60.13(c) and (d). Alternate methods and procedures described under section 60.47a(j) may also be used. [40 CFR 60.49Da(i) and (j) and 40 CFR 64.9] Federally Enforceable Through Title V Permit
60. 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 and 40 CFR 64.9] Federally Enforceable Through Title V Permit
61. A violation of NO_x emission standards indicated by the NO_x CEM shall be reported by the operator to the APCO within 96 hours. [District Rule 1080] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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62. Operator shall notify the APCO shall be notified no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the APCO of the intent to shut down the CEM at least 24 hours prior to the event. [District Rule 1080] Federally Enforceable Through Title V Permit
63. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. 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; C. 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; D. a negative declaration when no excess occurred. [40 CFR 60.51Da, 40 CFR 64.9 and District Rule 1080] Federally Enforceable Through Title V Permit
64. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [40 CFR 64.3] Federally Enforceable Through Title V Permit
65. The baghouse shall operate at all times with a minimum differential pressure of 3 inches water column and a maximum differential pressure of 10 inches water column. [40 CFR Part 64.3] Federally Enforceable Through Title V Permit
66. Differential operating pressure shall be monitored and recorded on each day that the combustor operates. [40 CFR 64.3] Federally Enforceable Through Title V Permit
67. During each day of operation, the permittee shall record the pressure drop of the baghouse, and compare the readings with the acceptable range. Upon detecting any excursion from the acceptable range 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
68. 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
69. 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
70. 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
71. Source testing for PM10, SOx, NOx, CO, VOC, and ammonia slip shall be performed at least once every 12 calendar months. [District Rule 2201, District Rule 1081, and District Rule 4352] Federally Enforceable Through Title V Permit
72. 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 must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
73. Stack gas velocity shall be determined using EPA Method 2. Stack gas oxygen shall be determine using EPA Method 3 or 3A (or ARB Method 100). Stack gas moisture content shall be determined using EPA Method 4. Solid fuel higher heating value (hhv) shall be determined using ASTM Method D 2015 or E 711. [District Rule 4352] Federally Enforceable Through Title V Permit
74. Source testing shall be conducted using the following methods: EPA Method 7E (or CARB Method 100) for NOx (ppmv); EPA Method 19 for NOx (lb/MMBtu heat input); EPA Method 5 for particulate matter (PM); EPA Method 19 for SO2; EPA Method 9 for opacity; EPA method 10 (or CARB method 100) for CO; and EPA Method 18 (or CARB Method 100) for VOC. [District Rule 4352 and 40 CFR 60.50Da] Federally Enforceable Through Title V Permit
75. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352] 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.

76. The results of each source test and ash sample ion chromatography test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
77. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 40 CFR 60.7 (b) and 40 CFR 64.9] Federally Enforceable Through Title V Permit
78. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx and CO. This mean shall be multiplied by the appropriate factor. [District Rule 2520] Federally Enforceable Through Title V Permit
79. Enclosure and dust collection system shall be completely inspected annually for evidence of particulate matter leaks and repaired as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
80. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520] Federally Enforceable Through Title V Permit
81. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520] Federally Enforceable Through Title V Permit
82. For each unit subject to the Specific Limiting Condition (SLC), the permittee shall maintain all necessary records in order to show compliance with the annual SLC limits. [District Rule 2201] Federally Enforceable Through Title V Permit

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

DRAFT

ATTACHMENT B

Authority to Construct No.
C-799-3-12



AUTHORITY TO CONSTRUCT

PERMIT NO: C-799-3-12

ISSUANCE DATE: 04/07/2008

LEGAL OWNER OR OPERATOR: MADERA POWER, LLC
MAILING ADDRESS: PO BOX 305
 FIREBAUGH, CA 93622

LOCATION: 11427 FIREBAUGH BLVD
 P O BOX 305
 FIREBAUGH, CA 93622

EQUIPMENT DESCRIPTION:

MODIFICATION OF 28.5 MW RESOURCE RECOVERY FACILITY BOILER/GENERATOR INCLUDING: 460 MMBTU/HR ATMOSPHERIC FLUIDIZED BED BOILER, 1,750 HP DRAFT FAN, PROPANE GAS-FIRED START-UP PREHEATER, COMBUSTION AIR CONTROL DAMPERS, WITH CONTINUOUS EMISSION MONITORS: REPLACE EXISTING TURBINE AND GENERATOR SET WITH A GENERAL ELECTRIC MODEL 133548 TURBINE AND GENERAL ELECTRIC MODEL 8287160 GENERATOR, INCREASE POWER RATING FROM 28.5 MW TO 32.85 MW, AND INCREASE ALLOWED STEAM PRODUCTION FROM 6.7 MILLION POUNDS PER DAY TO 7.256 MILLION POUNDS PER DAY

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to, and copies of, any records required to be kept under the terms and conditions of this permit. [CH&SC 42303]
3. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
4. The atmospheric fluidized bed (AFB) boiler shall not operate in excess of 348 days per calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Natural gas or propane burners shall be used during start-up and for combustor stabilization throughout the chamber prior to the introduction of solid fuel. [District NSR Rule] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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

C-799-3-12: Apr 7 2008 5:20PM - AHMADS : Joint Inspection NOT Required

6. Particulate matter concentrations shall not exceed 0.024 grains/dscf. [District NSR Rule and District Rules 4201 and 4301, 5.1] Federally Enforceable Through Title V Permit
7. Expected emissions of combustion contaminants from the fluidized bed boiler, as particulate matter (PM), will not exceed 10 lb/hr, as measured by EPA Method 5. [District Rule 4301] Federally Enforceable Through Title V Permit
8. Ash sample testing for substances not considered to be combustion contaminants using ion chromatography shall be performed at least once every 12 calendar months. [District NSR Rule] Federally Enforceable Through Title V Permit
9. A representative sample of ash shall be collected during source testing and analyzed by ion chromatography to determine the percentage of combustion contaminants exiting the stack. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The PM source test result may be adjusted based on the fraction of combustion contaminants from the ash sample test results to determine the hourly combustion contaminant emission rate. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Total PM10 shall not exceed 11.2 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Emissions from this unit shall not exceed any of the following limits: 50 lb-NO2/hr (1,200 lb-NO2/day), 24 lb-ROG/hr (576 lb-ROG/day), 29 lb-SO2/hr (696 lb-SO2/day), 240 lb-PM/day, or 60 lb-CO/hr (1,440 lb-CO/day). [District NSR Rule and District Rule 4301, 5.2] Federally Enforceable Through Title V Permit
13. Annual emissions from this unit shall not exceed any of the following limits: 417,600 lb-NOx/year, 54,000 lb-SOx/year, 83,520 lb-PM10/year, 501,120 lb-CO/year, or 200,448 lb-VOC/year. [District NSR Rule] Federally Enforceable Through Title V Permit
14. Ammonia emissions shall not exceed 100 parts per million. [District NSR Rule] Federally Enforceable Through Title V Permit
15. A quarterly report of the daily fuel usage and type shall be submitted to the District by the 30th day of the following month. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Offset creditable fuels are limited to the following: alfalfa straw, almond prunings, apple prunings, apricot prunings, barley straw, bean straw/stalks, cherry prunings, citrus prunings, corn stalks, fig prunings, forest slash/cull, grape prunings, generic orchard prunings, milo sorghum, nectarine prunings, olive prunings, peach prunings, pecan prunings, pistachio prunings, plum prunings, rice straw, wheat straw, walnut prunings, and generic field crops historically open burned in the San Joaquin Valley air basin. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Fuels for the AFB boiler are limited to the following: alfalfa straw, almond prunings, almond shells, apple prunings, apricot prunings, barley straw, bean straw/stalks, cedar bark, cherry pits, cherry prunings, citrus prunings, coffee grounds, corn stalks, cotton gin trash, cotton stalks, ditchbank or canal weeds, fig prunings, forest slash/cull, grape pomace, grape prunings, generic orchard prunings, hog fuel (mill residue); landscape tree trimmings, milo sorghum, nectarine pits, nectarine prunings, olive pits, olive pomace, olive prunings, pallet/bins wood, peach pits, peach prunings, peanut shells, pecan prunings, pecan shells, pistachio prunings, pistachio shells, plum prunings, prune pits, raisin pomace, rice straw, sawdust, tomato pomace, tumbleweeds, turkey (wood) shavings, urban development clearing trees, walnut prunings, walnut shells, wheat straw, unburned fuel, and paper. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Urban wood waste (construction, demolition, and landfill derived wood wastes) is approved as fuel so long as there is less than 1% by weight, of plastic, rubber and other non-wood combustibles (other than dirt or ash). [District Rule 4102]
19. All stack emissions shall be offset with creditable biomass on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
20. Emission offset credits shall be calculated using the following formula: $EC(y) = \text{Summation}[1/DF(i) \times T(i) \times EF(i)]$, where $EC(y)$ = the amount of offset credit available for the year, i = the i th load of biomass combusted for the offset year, $DF(i)$ = the distance factor for the i th load of biomass, $T(i)$ = the number of tons of biomass in the i th load, and $EF(i)$ = the emission factor for the type of biomass in the i th load. [District NSR Rule] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

21. The biomass offset Distance Factor shall be 1.2 for sources within a 15-mile radius and 2.0 for sources outside the 15-mile radius. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Open burn emission factors used to determine the quantity of offsets available from the diversion of biomass from open-burning shall be obtained from District Policy SSP 2005 "Open Burn Emission Factors." [District NSR Rule] Federally Enforceable Through Title V Permit
23. Daily records of biomass consumption shall be maintained which include the type, mass and geographic origin of all creditable biomass received and used. Records shall include certifications that any creditable biomass has historically been openly burned in the San Joaquin Valley air basin. [District NSR Rule and District Rule 4352, 6.2.1] Federally Enforceable Through Title V Permit
24. Annual records shall be maintained which quantify the total amount of stack emissions and the total amount of offsets claimed from the diversion of creditable biomass from open-burning. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Amount of paper used for fuel shall not exceed 50% of the total fuel consumption. [District Rule 4102]
26. No fuel shall be chemically treated, painted, or oil stained. [District Rule 4102]
27. Fuel feed rate shall not exceed a maximum of 460 MMBtu/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
28. Gross power production shall not exceed 32.85 Megawatts. [District NSR Rule] Federally Enforceable Through Title V Permit
29. Steam production shall not exceed 7,256,000 pounds per day at 900 °F and 850 psig. [District NSR Rule] Federally Enforceable Through Title V Permit
30. If urban wood wastes have been burned during the 365 day period prior to October 31 of any year, fuel testing shall be conducted by December 31 of that year. [District Rule 4102]
31. Fuel testing shall be conducted as follows: one truckload of urban wood waste fuel shall be weighed, dumped, and all contaminants shall be sorted from the fuel, identified and weighed. The report for this test shall be forwarded to the District by January 31 (one month after fuel testing deadline). [District Rule 4102]
32. The District shall be contacted and notified of the proposed date of any fuel testing. [District NSR Rule] Federally Enforceable Through Title V Permit
33. In addition to the scheduled annual fuel testing, testing shall also be performed on urban wood waste on-site within 24 hours of any such request of District staff. [District NSR Rule] Federally Enforceable Through Title V Permit
34. Permittee shall provide a toxics emissions test plan and protocol within 120 operating days of restarting facility and will initiate testing within 60 days of ARB and SJVAPCD approval of the protocol. [District Rule 4102]
35. In accordance with the Air Toxics "Hot Spots" Information and Assessment Act of 1987 (amended June 1993), the facility shall be source tested for the following while fired on the maximum proposed mix of urban wood waste: full set of metals, PAHs, dioxins, furans, formaldehyde, acetaldehyde, PCBs and POM. The ratio of urban wood waste to other fuel combusted during the toxics testing will become the maximum ratio allowed for all subsequent combustion, unless otherwise revised under future Authorities to Construct. [District Rule 4102]
36. Urban woodwaste combustion shall cease within 462 days of operation, beginning the date of facility restart, unless an application for Authority to Construct (ATC), based on refined health risk assessment is filed and approved. [District Rule 4102]
37. Records shall be maintained of the number of days of operation since "restart" occurred. [District Rule 4102]
38. The baghouse shall consist of 2,310 bags with a rating of 226,000 acfm. [District NSR Rule] Federally Enforceable Through Title V Permit
39. All modules of the baghouse shall be equipped with a manometer which shall be calibrated on an annual or more frequent basis. [District NSR Rule] Federally Enforceable Through Title V Permit
40. The multiclone shall consist of a 1,500 hp motor with 200-11.5 inch collector tubes. [District NSR Rule] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

41. The reagent injection system shall consist of a 2,540 cubic foot silo. [District NSR Rule] Federally Enforceable Through Title V Permit
42. The reagent bin for the dry additive injection system shall be under negative pressure whenever reagent is being loaded into the bin. [District NSR Rule] Federally Enforceable Through Title V Permit
43. The ammonia injection system includes 36 nozzles. [District NSR Rule] Federally Enforceable Through Title V Permit
44. The air flow rate and ammonia injection rate shall be monitored continuously and recorded. [District NSR Rule] Federally Enforceable Through Title V Permit
45. Particulate matter emissions in the exhaust gas from this unit shall not exceed 0.03 lb/MMBtu heat input. [40 CFR 60.42a(a)(1) and (2)] Federally Enforceable Through Title V Permit
46. Sulfur dioxide (SO₂) emissions from the biomass unit shall not exceed 1.20 lb/MMBtu heat input. [40 CFR 60.43a(d)] Federally Enforceable Through Title V Permit
47. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Madera County Rule 404] Federally Enforceable Through Title V Permit
48. SO₂ emissions shall be calculated based on the arithmetic average of all hourly emissions rates for SO₂ for the 30 successive boiler operating days. [40 CFR 60.46a(g)] Federally Enforceable Through Title V Permit
49. NO_x emissions from the stack exhaust gas shall not exceed 0.20 lb/MMBtu (heat input) based on 24-hour averaging period. [District Rule 4352, 5.1 & 5.2, and 40 CFR 60.44a(a)] Federally Enforceable Through Title V Permit
50. CO emissions from the stack exhaust gas shall not exceed 400 ppmv at 3% O₂, or 310 ppmv at 7% O₂, or 310 ppmv at 12% CO₂ based on 24-hour averaging period. [District Rule 4352, 5.3] Federally Enforceable Through Title V Permit
51. When two or more fuels are combusted simultaneously, NO_x emissions shall not exceed the prorated emissions calculated using the following formula: $E_n = [86w + 260z]/100$, where: E_n is the applicable standard for nitrogen oxides when multiple fuels are combusted simultaneously (ng/J heat input); w is the percentage of total heat input derived from the combustion of gaseous fuels; and z is the percentage of total heat input derived from the combustion of solid fuels. [40 CFR 60.44a(c)] Federally Enforceable Through Title V Permit
52. Applicable emissions standards of 40 CFR part 60 for PM, SO₂, and NO_x apply at all times except during the startup, shutdown, or malfunction. [40 CFR 60.46a(c)] Federally Enforceable Through Title V Permit
53. Continuous Emission Monitoring systems (CEMs) shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7 (c) and 60.13. CEMs must also satisfy the Performance Specifications of 40 CFR Part 51 Appendix P and 40 CFR Part 60 Appendix B, Performance Specifications 2, 3, and 4, and the Relative Accuracy Test Audit of Appendix F. [District NSR Rule and District Rules 1080, 6.0 and 4352, 5.5] Federally Enforceable Through Title V Permit
54. The continuous emissions monitoring systems (CEMs) for NO_x, SO₂, and CO and continuous monitoring system for opacity and O₂ concentration shall be calibrated and maintained operational at all times including the periods of startup, shutdown, malfunction, and emergency conditions, except for the CEMs breakdowns, repairs, calibrate checks, and zero and span adjustments. [40 CFR 60.47a(a), (b), (c), (d), and (e) and District Rule 4352] Federally Enforceable Through Title V Permit
55. Hourly emissions for NO_x (as NO₂), SO₂, and CO shall be based on a consecutive three-hour average as determined by the CEM system. [District Rule 1080] Federally Enforceable Through Title V Permit
56. The owner or operator shall obtain emission data for at least 18 hours in at least 22 hours out of the 30 successive boiler operating days. If this minimum data cannot be obtained, the operator or owner shall supplement emission data with alternate monitoring system approved by the APCO or methods and procedures described in section 60.47a(h) of 40 CFR 60, Subpart Da. [40CFR 60.47a(f)] Federally Enforceable Through Title V Permit
57. The owner or operator shall use methods and procedures described in 40 CFR 60.47a(i) to conduct monitoring system performance evaluations and calibrate checks under subpart 60.13(c) and (d). Alternate methods and procedures described under section 60.47a(j) may also be used. [40 CFR 60.47a(i) and (j)] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

58. 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] Federally Enforceable Through Title V Permit
59. A violation of NO_x emission standards indicated by the NO_x CEM shall be reported by the operator to the APCO within 96 hours. [District Rule 1080, 9.0] Federally Enforceable Through Title V Permit
60. Operator shall notify the APCO shall be notified no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the APCO 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
61. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. 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; C. 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; D. a negative declaration when no excess occurred. [40 CFR 60.49a and District Rule 1080, 8.0] Federally Enforceable Through Title V Permit
62. Source testing for PM₁₀, SO_x, NO_x, CO, VOC, and ammonia slip shall be performed at least once every 12 calendar months. [District NSR Rule, District Rule 1081, and District Rule 4352, 6.3] Federally Enforceable Through Title V Permit
63. 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 must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
64. Stack gas velocity shall be determined using EPA Method 2. Stack gas oxygen shall be determined using EPA Method 3 or 3A (or ARB Method 100). Stack gas moisture content shall be determined using EPA Method 4. Solid fuel higher heating value (hhv) shall be determined using ASTM Method D 2015 or E 711. [District Rule 4352, 6.4] Federally Enforceable Through Title V Permit
65. Source testing shall be conducted using the following methods: EPA Method 7E (or CARB Method 100) for NO_x (ppmv); EPA Method 19 for NO_x (lb/MMBtu heat input); EPA Method 5 for particulate matter (PM); EPA Method 19 for SO₂; EPA Method 9 for opacity; EPA method 10 (or CARB method 100) for CO; and EPA Method 18 (or CARB Method 100) for VOC. [District Rule 4352, 6.4 and 40 CFR 60.48a] Federally Enforceable Through Title V Permit
66. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352, 6.4.2 and 6.4.3] Federally Enforceable Through Title V Permit
67. The results of each source test and ash sample ion chromatography test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
68. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3.1, and 40 CFR 60.7 (b)] Federally Enforceable Through Title V Permit
69. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NO_x and CO. This mean shall be multiplied by the appropriate factor. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
70. Enclosure and dust collection system shall be completely inspected annually for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
71. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

72. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

ATTACHMENT C

Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
C-799-3-12	0	0	0	0	0
TOTAL	0	0	0	0	0

ATTACHMENT D

Application

San Joaquin Valley Air Pollution Control District

www.valleyair.org

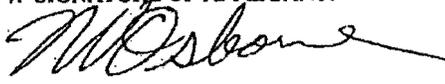
RECEIVED

MAY 24 2012

Permit Application For:

**Permits Services
SJVAPCD**

[] ADMINISTRATIVE AMENDMENT [X] MINOR MODIFICATION [] SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: MADERA POWER, LLC	
2. MAILING ADDRESS: STREET/P.O. BOX: <u>PO Box 305</u>	
CITY: <u>Firebaugh</u>	STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>93622</u>
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <u>11427 Firebaugh Blvd.</u> CITY: <u>Firebaugh</u> <u>NW</u> ¼ SECTION <u>28</u> TOWNSHIP RANGE <u>15E</u>	
4. GENERAL NATURE OF BUSINESS: Electric power generation.	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) ATC/Permit No. C-799-3-12-MODIFICATION OF 28.5 MW RESOURCE RECOVERY FACILITY BOILER/GENERATOR INCLUDING: 460 MMBTU/HR ATMOSPHERIC FLUIDIZED BED BOILER, 1,750 HP DRAFT FAN, PROPANE GAS-FIRED START-UP PREHEATER, COMBUSTION AIR CONTROL DAMPERS, WITH CONTINUOUS EMISSION MONITORS: REPLACE EXISTING TURBINE AND GENERATOR SET WITH A GENERAL ELECTRIC MODEL 133548 TURBINE AND GENERAL ELECTRIC MODEL 8287160 GENERATOR, INCREASE POWER RATING FROM 28.5 MW TO 32.85 MW, AND INCREASE ALLOWED STEAM PRODUCTION FROM 6.7 MILLION POUNDS PER DAY TO 7.256 MILLION POUNDS PER DAY	
6. TYPE OR PRINT NAME OF APPLICANT: Larry Osborne	TITLE OF APPLICANT: General Manager
7. SIGNATURE OF APPLICANT: 	DATE: <u>5/24/12</u> PHONE: (559) 659-4791 FAX: (559) 659-4793 EMAIL: losborne@maderapower.com

For APCD Use Only:

DATE STAMP	FILING FEE RECEIVED: \$ <u>0</u>	CHECK#: _____
	DATE PAID: _____	
	PROJECT NO: <u>C-1121331</u>	FACILITY ID: <u>C-799</u>

San Joaquin Valley
Unified Air Pollution Control District

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION
- MINOR PERMIT MODIFICATION
- ADMINISTRATIVE AMENDMENT

COMPANY NAME:Madera Power, LLC	FACILITY ID: C-799
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name:Madera power, LLC	
3. Agent to the Owner:Larry Osborne	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:



Signature of Responsible Official

8/6/12

Date

Larry Osborne

Name of Responsible Official (please print)

General Manager

Title of Responsible Official (please print)

ATTACHMENT E

Previous Title V Operating Permit No.
C-799-3-16

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-799-3-16

EXPIRATION DATE: 05/31/2012

EQUIPMENT DESCRIPTION:

28.5 MW RESOURCE RECOVERY FACILITY BOILER/GENERATOR INCLUDING: 460 MMBTU/HR ATMOSPHERIC FLUIDIZED BED BOILER, MULTICLONE, BAGHOUSE, REAGENT INJECTION SYSTEM, AMMONIA INJECTION SYSTEM, PROPANE OR NATURAL GAS-FIRED START-UP PREHEATER, WITH CONTINUOUS EMISSION MONITORS

PERMIT UNIT REQUIREMENTS

1. Specific Limiting Condition (SLC) limiting the annual emissions from the fuel handling listed under permit C-799-1, boiler/generator listed under permit C-799-3, the screening operation listed under permit C-799-6, the grinding operation listed under permit C-799-7 and the transportable IC engine listed under permit C-799-8 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: 417,600 lb-NO_x/year, 54,000 lb-SO_x/year, 83,520 lb-PM₁₀/year, 501,120 lb-CO/year, or 200,448 lb-VOC/year. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The APCO or any authorized representative, upon request, shall have access to, and copies of, any records required to be kept under the terms and conditions of this permit. [CH&SC 42303]
3. The APCO or any authorized representative, upon request, shall have access to inspect any equipment, operation, or method required in this permit, and to sample emissions from the source or require samples to be taken. [District Rule 1081] Federally Enforceable Through Title V Permit
4. The atmospheric fluidized bed (AFB) boiler shall not operate in excess of 348 days per calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Natural gas or propane burners shall be used during start-up and for combustor stabilization throughout the chamber prior to the introduction of solid fuel. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Particulate matter concentrations shall not exceed 0.024 grains/dscf. [District NSR Rule and District Rules 4201 and 4301, 5.1] Federally Enforceable Through Title V Permit
7. Expected emissions of combustion contaminants from the fluidized bed boiler, as particulate matter (PM), will not exceed 10 lb/hr, as measured by EPA Method 5. [District Rule 4301] Federally Enforceable Through Title V Permit
8. Ash sample testing for substances not considered to be combustion contaminants using ion chromatography shall be performed at least once every 12 calendar months. [District NSR Rule] Federally Enforceable Through Title V Permit
9. A representative sample of ash shall be collected during source testing and analyzed by ion chromatography to determine the percentage of combustion contaminants exiting the stack. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The PM source test result may be adjusted based on the fraction of combustion contaminants from the ash sample test results to determine the hourly combustion contaminant emission rate. [District NSR Rule] Federally Enforceable Through Title V Permit
11. Total PM₁₀ shall not exceed 11.2 lb/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
12. Emissions from this unit shall not exceed any of the following limits: 50 lb-NO₂/hr (1,200 lb-NO₂/day), 24 lb-ROG/hr (576 lb-ROG/day), 29 lb-SO₂/hr (696 lb-SO₂/day), 240 lb-PM/day, or 60 lb-CO/hr (1,440 lb-CO/day). [District Rules 2201 and 4301, 5.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. Ammonia emissions shall not exceed 100 parts per million. [District NSR Rule] Federally Enforceable Through Title V Permit
14. A quarterly report of the daily fuel usage and type shall be submitted to the District by the 30th day of the following month. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Offset creditable fuels are limited to the following: alfalfa straw, almond prunings, apple prunings, apricot prunings, barley straw, bean straw/stalks, cherry prunings, citrus prunings, corn stalks, fig prunings, forest slash/cull, grape prunings, generic orchard prunings, milo sorghum, nectarine prunings, olive prunings, peach prunings, pecan prunings, pistachio prunings, plum prunings, rice straw, wheat straw, walnut prunings, and generic field crops historically open burned in the San Joaquin Valley air basin. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Fuels for the AFB boiler are limited to the following: alfalfa straw, almond prunings, almond shells, apple prunings, apricot prunings, barley straw, bean straw/stalks, cedar bark, cherry pits, cherry prunings, citrus prunings, coffee grounds, corn stalks, cotton gin trash, cotton stalks, ditchbank or canal weeds, fig prunings, forest slash/cull, grape pomace, grape prunings, generic orchard prunings, hog fuel (mill residue), landscape tree trimmings, milo sorghum, nectarine pits, nectarine prunings, olive pits, olive pomace, olive prunings, pallet/bins wood, peach pits, peach prunings, peanut shells, pecan prunings, pecan shells, pistachio prunings, pistachio shells, plum prunings, prune pits, raisin pomace, rice straw, sawdust, tomato pomace, tumbleweeds, turkey (wood) shavings, urban development clearing trees, walnut prunings, walnut shells, wheat straw, unburned fuel, and paper. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Urban wood waste (construction, demolition, and landfill derived wood wastes) is approved as fuel so long as there is less than 1% by weight, of plastic, rubber and other non-wood combustibles (other than dirt or ash). [District Rule 4102]
18. All stack emissions shall be offset with creditable biomass on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
19. Emission offset credits shall be calculated using the following formula: $EC(y) = \text{Summation}[1/DF(i) \times T(i) \times EF(i)]$, where $EC(y)$ = the amount of offset credit available for the year, i = the i th load of biomass combusted for the offset year, $DF(i)$ = the distance factor for the i th load of biomass, $T(i)$ = the number of tons of biomass in the i th load, and $EF(i)$ = the emission factor for the type of biomass in the i th load. [District NSR Rule] Federally Enforceable Through Title V Permit
20. The biomass offset Distance Factor shall be 1.2 for sources within a 15-mile radius and 2.0 for sources outside the 15-mile radius. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Open burn emission factors used to determine the quantity of offsets available from the diversion of biomass from open-burning shall be obtained from District Policy SSP 2005 "Open Burn Emission Factors." [District NSR Rule] Federally Enforceable Through Title V Permit
22. Daily records of biomass consumption shall be maintained which include the type, mass and geographic origin of all creditable biomass received and used. Records shall include certifications that any creditable biomass has historically been openly burned in the San Joaquin Valley air basin. [District NSR Rule and District Rule 4352, 6.2.1] Federally Enforceable Through Title V Permit
23. Monthly records of all fuel consumption (including biomass and all other permitted fuels) shall be kept. Records shall include type, quantity, and higher heating value (HHV) for each fuel used. [District Rule 4352, 6.2.1] Federally Enforceable Through Title V Permit
24. Annual records shall be maintained which quantify the total amount of stack emissions and the total amount of offsets claimed from the diversion of creditable biomass from open-burning, and which include calculations demonstrating that the total amount of annual offsets claimed is sufficient to fully offset the annual stack emissions. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Amount of paper used for fuel shall not exceed 50% of the total fuel consumption. [District Rule 4102]
26. No fuel shall be chemically treated, painted, or oil stained. [District Rule 4102]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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27. Fuel feed rate shall not exceed a maximum of 460 MMBtu/hr. [District NSR Rule] Federally Enforceable Through Title V Permit
28. Gross power production shall not exceed 28.5 Megawatts. [District NSR Rule] Federally Enforceable Through Title V Permit
29. Steam production shall not exceed 6,700,000 pounds per day at 900 øF and 850 psig. [District NSR Rule] Federally Enforceable Through Title V Permit
30. If urban wood wastes have been burned during the 365 day period prior to October 31 of any year, fuel testing shall be conducted by December 31 of that year. [District Rule 4102]
31. Fuel testing shall be conducted as follows: one truckload of urban wood waste fuel shall be weighed, dumped, and all contaminants shall be sorted from the fuel, identified and weighed. The report for this test shall be forwarded to the District by January 31 (one month after fuel testing deadline). [District Rule 4102]
32. The District shall be contacted and notified of the proposed date of any fuel testing. [District NSR Rule] Federally Enforceable Through Title V Permit
33. In addition to the scheduled annual fuel testing, testing shall also be performed on urban wood waste on-site within 24 hours of any such request of District staff. [District NSR Rule] Federally Enforceable Through Title V Permit
34. Permittee shall provide a toxics emissions test plan and protocol within 120 operating days of restarting facility and will initiate testing within 60 days of ARB and SJVAPCD approval of the protocol. [District Rule 4102]
35. In accordance with the Air Toxics "Hot Spots" Information and Assessment Act of 1987 (amended June 1993), the facility shall be source tested for the following while fired on the maximum proposed mix of urban wood waste: full set of metals, PAHs, dioxins, furans, formaldehyde, acetaldehyde, PCBs and POM. The ratio of urban wood waste to other fuel combusted during the toxics testing will become the maximum ratio allowed for all subsequent combustion, unless otherwise revised under future Authorities to Construct. [District Rule 4102]
36. Urban woodwaste combustion shall cease within 462 days of operation, beginning the date of facility restart, unless an application for Authority to Construct (ATC), based on refined health risk assessment is filed and approved. [District Rule 4102]
37. Records shall be maintained of the number of days of operation since "restart" occurred. [District Rule 4102]
38. The baghouse shall consist of 2,310 bags with a rating of 226,000 acfm. [District NSR Rule] Federally Enforceable Through Title V Permit
39. All modules of the baghouse shall be equipped with a manometer which shall be calibrated on an annual or more frequent basis. [District NSR Rule] Federally Enforceable Through Title V Permit
40. The multiclone shall consist of a 1,500 hp motor with 200-11.5 inch collector tubes. [District NSR Rule] Federally Enforceable Through Title V Permit
41. The reagent injection system shall consist of a 2,540 cubic foot silo. [District NSR Rule] Federally Enforceable Through Title V Permit
42. The reagent bin for the dry additive injection system shall be under negative pressure whenever reagent is being loaded into the bin. [District NSR Rule] Federally Enforceable Through Title V Permit
43. The ammonia injection system includes 36 nozzles. [District NSR Rule] Federally Enforceable Through Title V Permit
44. The air flow rate and ammonia injection rate shall be monitored continuously and recorded. [District NSR Rule] Federally Enforceable Through Title V Permit
45. Particulate matter emissions in the exhaust gas from this unit shall not exceed 0.03 lb/MMBtu heat input. [40 CFR 60.42Da(a)(1) and (2)] Federally Enforceable Through Title V Permit
46. The opacity of the exhaust gas from this unit shall not exceed 20 percent based on a 6-minute average except for one 6-minute period per hour of not more than 27 percent opacity. [40 CFR 60.42Da(b) and 40 CFR 64.3] Federally Enforceable Through Title V Permit

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

47. Sulfur dioxide (SO₂) emissions from the biomass unit shall not exceed 1.20 lb/MMBtu heat input. [40 CFR 60.43Da(d)(2)] Federally Enforceable Through Title V Permit
48. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and Madera County Rule 404] Federally Enforceable Through Title V Permit
49. SO₂ emissions shall be calculated based on the arithmetic average of all hourly emissions rates for SO₂ for the 30 successive boiler operating days. [40 CFR 60.48Da(g)] Federally Enforceable Through Title V Permit
50. Except for periods of start-up or shutdown, emissions concentrations in the exhaust from the unit shall not exceed any of the following limits based on a block 24 hour average : 115 ppmv NO_x at 3% O₂ or 400 ppmv CO at 3% O₂. [40 CFR 60.44Da(a) and District Rule 4352, 5.1 & 5.2] Federally Enforceable Through Title V Permit
51. The duration of each shutdown shall not exceed twelve (12) hours except as provided in Section 5.3.4 of District Rule 4352. [District Rule 4352, 5.3.1] Federally Enforceable Through Title V Permit
52. Except as provided in Section 5.3.4 of District Rule 4352, the duration of each start-up shall not exceed 96 hours, or 192 hours if curing of the refractory is required after a modification. [District Rule 4352, 5.3.2] Federally Enforceable Through Title V Permit
53. When two or more fuels are combusted simultaneously, NO_x emissions shall not exceed the prorated emissions calculated using the following formula: $E_n = [86w + 260z]/100$, where: E_n is the applicable standard for nitrogen oxides when multiple fuels are combusted simultaneously (ng/J heat input); w is the percentage of total heat input derived from the combustion of gaseous fuels; and z is the percentage of total heat input derived from the combustion of solid fuels. [40 CFR 60.44Da(c)] Federally Enforceable Through Title V Permit
54. Applicable emissions standards of 40 CFR part 60 for PM, SO₂, and NO_x apply at all times except during the startup, shutdown, or malfunction. [40 CFR 60.48Da(c)] Federally Enforceable Through Title V Permit
55. Continuous Emission Monitoring systems (CEMs) shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7 (c) and 60.13. CEMs must also satisfy the Performance Specifications of 40 CFR Part 51 Appendix P and 40 CFR Part 60 Appendix B, Performance Specifications 2, 3, and 4, and the Relative Accuracy Test Audit of Appendix F. [District NSR Rule, District Rules 1080, 6.0 and 4352, 5.5, 40 CFR 49Da(w) and 40 CFR 64.3] Federally Enforceable Through Title V Permit
56. The continuous emissions monitoring systems (CEMs) for NO_x, SO₂, and CO and continuous monitoring system for opacity and O₂ concentration shall be calibrated and maintained operational at all times including the periods of startup, shutdown, malfunction, and emergency conditions, except for the CEMs breakdowns, repairs, calibrate checks, and zero and span adjustments. [40 CFR 60.49Da(a), (b), (c), (d), and (e), 40 CFR 64.3 and District Rule 4352] Federally Enforceable Through Title V Permit
57. Hourly emissions for NO_x (as NO₂), SO₂, and CO shall be based on a consecutive three-hour average as determined by the CEM system. [District Rule 1080] Federally Enforceable Through Title V Permit
58. The owner or operator shall obtain emission data for at least 18 hours in at least 22 hours out of the 30 successive boiler operating days. If this minimum data cannot be obtained, the operator or owner shall supplement emission data with alternate monitoring system approved by the APCO or methods and procedures described in section 60.47a(h) of 40 CFR 60, Subpart Da. [40CFR 60.49Da(f) and 40 CFR 64.9] Federally Enforceable Through Title V Permit
59. The owner or operator shall use methods and procedures described in 40 CFR 60.47a(i) to conduct monitoring system performance evaluations and calibrate checks under subpart 60.13(c) and (d). Alternate methods and procedures described under section 60.47a(j) may also be used. [40 CFR 60.49Da(i) and (j) and 40 CFR 64.9] Federally Enforceable Through Title V Permit
60. 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
61. A violation of NO_x emission standards indicated by the NO_x CEM shall be reported by the operator to the APCO within 96 hours. [District Rule 1080, 9.0] Federally Enforceable Through Title V Permit

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62. Operator shall notify the APCO shall be notified no later than eight hours after the detection of a breakdown of the CEM. The operator shall inform the APCO 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
63. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. 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; C. 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; D. a negative declaration when no excess occurred. [40 CFR 60.51Da, 40 CFR 64.9 and District Rule 1080, 8.0] Federally Enforceable Through Title V Permit
64. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [40 CFR 64.3] Federally Enforceable Through Title V Permit
65. The baghouse shall operate at all times with a minimum differential pressure of 3 inches water column and a maximum differential pressure of 10 inches water column. [40 CFR Part 64.3] Federally Enforceable Through Title V Permit
66. Differential operating pressure shall be monitored and recorded on each day that the combustor operates. [40 CFR 64.3] Federally Enforceable Through Title V Permit
67. During each day of operation, the permittee shall record the pressure drop of the baghouse, and compare the readings with the acceptable range. Upon detecting any excursion from the acceptable range 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
68. 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
69. 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
70. 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
71. Source testing for PM₁₀, SO_x, NO_x, CO, VOC, and ammonia slip shall be performed at least once every 12 calendar months. [District NSR Rule, District Rule 1081, and District Rule 4352, 6.3.1] Federally Enforceable Through Title V Permit
72. 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 must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
73. Stack gas velocity shall be determined using EPA Method 2. Stack gas oxygen shall be determine using EPA Method 3 or 3A (or ARB Method 100). Stack gas moisture content shall be determined using EPA Method 4. Solid fuel higher heating value (hhv) shall be determined using ASTM Method D 2015 or E 711. [District Rule 4352, 6.4.1] Federally Enforceable Through Title V Permit
74. Source testing shall be conducted using the following methods: EPA Method 7E (or CARB Method 100) for NO_x (ppmv); EPA Method 19 for NO_x (lb/MMBtu heat input); EPA Method 5 for particulate matter (PM); EPA Method 19 for SO₂; EPA Method 9 for opacity; EPA method 10 (or CARB method 100) for CO; and EPA Method 18 (or CARB Method 100) for VOC. [District Rule 4352, 6.4.1 and 40 CFR 60.50Da] Federally Enforceable Through Title V Permit
75. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352, 6.3.2 and 6.3.3] Federally Enforceable Through Title V Permit

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76. The results of each source test and ash sample ion chromatography test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
77. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [District Rule 1080, 7.3.1, 40 CFR 60.7 (b) and 40 CFR 64.9] Federally Enforceable Through Title V Permit
78. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 forty-minute test runs for NOx and CO. This mean shall be multiplied by the appropriate factor. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
79. Enclosure and dust collection system shall be completely inspected annually for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
80. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
81. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
82. For each unit subject to the Specific Limiting Condition (SLC), the permittee shall maintain all necessary records in order to show compliance with the annual SLC limits. [District NSR Rule] Federally Enforceable Through Title V Permit

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