



FEB 23 2017

David Sawyer
Covanta Mendota LP
PO Box 39
Mariposa, CA 95338

**Re: Final – Authority to Construct / Certificate of Conformity (Minor Modification)
District Facility # C-825
Project # C-1152808**

Dear Mr. Sawyer:

The Air Pollution Control Officer has issued an Authority to Construct (C-825-5-19) with a Certificate of Conformity to Covanta Mendota LP at 400 Guillen Pkwy in Mendota, CA. This project is for the modification of a biomass and natural gas-fired circulating fluidized bed boiler to install a sodium bicarbonate injection system, with an optional activated carbon system, for compliance with MACT regulation - Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. Enclosed is the Authority to Construct and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permit was published on December 28, 2016. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on December 21, 2016. No comments were received following the District's preliminary decision on this project.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 60 days.

Prior to operating with the modifications authorized by the Authority to Construct, you must submit an application to modify the Title V permit as an administrative amendment in accordance with District Rule 2520, Section 11.5. Application forms have been enclosed for your use. These forms may also be found on the District's website at www.valleyair.org.

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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

Mr. Sawyer
Page 2

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

Sincerely,



Arnaud Marjollet
Director of Permit Services

Enclosures

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

AUTHORITY TO CONSTRUCT

PERMIT NO: C-825-5-19

ISSUANCE DATE: 02/10/2017

LEGAL OWNER OR OPERATOR: COVANTA MENDOTA LP

MAILING ADDRESS: PO BOX 39
MARIPOSA, CA 95338

LOCATION: 400 GUILLEN PARKWAY
CORRESPONDENCE TO DELANO PLANT
MENDOTA, CA 93640

EQUIPMENT DESCRIPTION:

MODIFICATION OF 30 MW POWER PRODUCTION FACILITY WITH A 317 MMBTU/HR BIOMASS AND NATURAL GAS-FIRED GOTAVERKEN CIRCULATING FLUIDIZED BED BOILER CONTROLLED WITH A MODULAR SIX-COMPARTMENT BAGHOUSE AND THERMAL DE-NOX SYSTEM AND WITH A CYCLONE, A SUPERHEATER, A STEAM DRUM, AN ECONOMIZER, AN AIR HEATER, A SAND SILO AND A LIMESTONE SILO EACH CONTROLLED WITH A DCE DALAMATIC MODEL # DLM-V20/10W BIN VENT FILTER, AN ENCLOSED ASH SILO, AND BOTTOM SAND DISCHARGE UNITS: INSTALL SODIUM BICARBONATE REAGENT FEEDER SYSTEM INCLUDING BULK BAG UNLOADER AND VOLUMETRIC FEEDER AND OPTIONAL POWDERED ACTIVATED CARBON INJECTION SYSTEM TO MEET BOILER MACT REQUIREMENTS OF 40 CFR 63 SUBPART DDDDD

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. While dormant, a blank flange will be installed on the natural gas line and the flange will be locked; no fuel deliveries will be allowed by contract; the fuel yard will be maintained as empty. [District Rule 2080] Federally Enforceable Through Title V Permit
3. Permittee shall submit written notification to the District upon designating the unit as dormant or active. [District Rule 2080] Federally Enforceable Through Title V Permit
4. While dormant, normal source testing and the requirements of conditions 67 and 68 shall not be required. [District Rule 2080] 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


Arnaud Marjollet, Director of Permit Services

C-825-5-19 Feb 10 2017 1:44PM - GARCIAAC : Joint Inspection NOT Required

5. Upon recommencing operation of this unit, normal source testing and the requirements of conditions 67 and 68 shall resume. The requirements of conditions 67 and 68 shall be completed within 180 days of recommencing operation of this unit. [District Rule 2080] Federally Enforceable Through Title V Permit
6. Any source testing required by this permit shall be performed within 60 days of recommencing operation of this unit, regardless of whether the unit remains active or is again designated as dormant. [District Rule 2080] Federally Enforceable Through Title V Permit
7. Records of all dates and times that this unit is designated as dormant or active, and copies of all corresponding notices to the District, shall be maintained, retained for a period of at least five years, and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
8. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
9. Ammonia slip shall not exceed 25 ppmv at 3% O₂. [District Rule 4102]
10. Boiler fuels shall be limited to the following: saw mill residues (bark, sawdust, chips and shavings); forest residues; orchard and vineyard prunings including chipped whole tree wastes and materials listed in Appendix A to the Title V Permit, "Emission Factors for Open Burning of Agricultural Residues" (August 2000, Gaffney, P., California Air Resources Board Planning and Technical Support Division); clean unpainted urban wood waste; unpainted paper waste; nut shells; stone fruit pits; onion and garlic skins; and natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Natural gas shall be used only for startup and combustion stabilization (fuel not to exceed 25% annual BTU heat input). [District Rule 2201] Federally Enforceable Through Title V Permit
12. The permittee shall project and use the proper mix of fuels to ensure that all emissions are offset as required with credits from the use of creditable fuels. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The permittee shall curtail operation proportionately and notify the District whenever, due to changes in the quantity or quality of wastes supplied, the emissions exceed the offsets. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All stack emissions shall be completely offset with creditable biomass on an annual basis. Emission offsets shall be calculated using the formula $EC = (1/DF) \times \text{Sum}(A(i) \times EF(i))$, where: EC = Emission Credit (lb/yr), DF = Distance Factor, A(i) = Amount from each source (ton/yr), and EF(i) = Emission Factor for each source. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Distance Factor (DF) shall be 1.2 for sources within a 15 mile radius and 2.0 for sources outside the 15 mile radius. [District Rule 2201 and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
16. Open-burning emission factors used to determine the quantity of offsets available from the diversion of biomass from open-burning are listed in Appendix A, "Emission Factors for Open Burning of Agricultural Residues" (August 2000, Gaffney, P., California Air Resources Board Planning and Technical Support Division). A copy of Appendix A shall be retained on site and made available for District inspection upon request. [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
17. Particulate matter (PM-10) emissions, except for periods of startup and shutdown as defined in District Rule 4352, shall not exceed any of the following: 0.010 gr/dscf @ 12% CO₂ of filterable particulate, 7.62 lb/hr of filterable particulate, or 14.3 lb/hr of filterable and condensable particulate. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Emissions shall not exceed any of the following limits: 247.2 lb-SO_x/day, 667.2 lb-NO_x/day, 928.8 lb-CO/day, 232.8 lb-VOC/day or 340.1 lb-PM₁₀/day. [District Rules 2201, 4301, 5.2, and 4352, 5.1; 40 CFR 60.44b(i) and (h)] Federally Enforceable Through Title V Permit
19. For pollutants whose emission rates are not monitored by a CEMS (i.e. SO_x, CO, PM₁₀, and VOC), compliance with the hourly and daily emission limits shall be determined by using emission factors derived from the most recent source test. Compliance with the hourly emission rates shall be deemed compliance with the daily emission rates. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. Start-up operation is defined as the period of time during which a unit is heated to the operating temperature and pressure from a shutdown status. Shutdown operation is defined as the period of time during which a unit is taken from operational to nonoperational status by allowing it to cool down from its operating temperature and pressure to an ambient temperature. [District Rule 4352, 3.15, 3.18, and 5.3] Federally Enforceable Through Title V Permit
21. The duration of each start-up shall not exceed 96 hours. The duration of each shut down shall not exceed twelve (12) hours. [District Rule 4352, 5.3.1 and 5.3.2] Federally Enforceable Through Title V Permit
22. The emission control system shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown. [District Rule 4352, 5.3.3] Federally Enforceable Through Title V Permit
23. Verification of all emission related data is the responsibility of the Permittee. Such verification shall be provided to the District upon request. [District Rule 2201 and 40 CFR 60.43b(c)] Federally Enforceable Through Title V Permit
24. Permittee shall perform annual source tests for PM₁₀, CO, SO_x as SO₂, VOC, and NO_x as NO₂. The District must be notified 30 days prior to any compliance source testing. A pretest plan outlining source test methods, approved contractor, test date, and operating parameters must be submitted to the District for approval at least 15 days prior to source sampling. [District Rules 1081, 7.1, 2201, and 4352, 6.2] Federally Enforceable Through Title V Permit
25. Emissions of combustion contaminants from the biomass boiler shall not exceed 10 lb/hr. Combustion contaminants are defined as total PM (filterable plus condensable) minus the ammonium salts (e.g. ammonium chloride, ammonium sulfate, ammonium bisulfate, etc.) present in the condensable PM fraction. Compliance with this emission limit shall be demonstrated annually by source test conducted according to EPA Methods 5 and 202 (or other methods approved by the APCO, ARB, and EPA). Ammonium salts in the condensable PM fraction shall be determined by analysis of the condensable PM fraction by ion chromatography (or other method approved by the APCO, ARB, and EPA). [District Rules 1020, 3.12, 2520, 9.3, and 4301, 5.2.3] Federally Enforceable Through Title V Permit
26. Source testing for SO_x shall be conducted using EPA Method 5 or 8 or a continuous emissions analyzer in accordance with EPA Method 6C. Source testing for NO_x shall be conducted using EPA Method 7E or CARB Method 100. Source testing for CO shall be conducted using EPA Method 10 or CARB Method 100. Source testing for hydrocarbons shall be conducted using EPA Method 18 or CARB Method 100. Source testing for particulate matter (PM) shall be conducted using EPA Method 5 and EPA Method 202. As an alternative to EPA Method 5, determination of the "front-half" fraction or filterable PM₁₀ may be conducted using EPA Method 201A. Source testing for stack gas velocity shall be conducted using EPA Method 2. Source testing for moisture content shall be conducted using EPA Method 4. [District Rules 2201, 2520, 9.3.2, and 4352, 6.3.1; 40 CFR 60.46b(d) and 40 CFR 60.48a] Federally Enforceable Through Title V Permit
27. All emissions measurements during a source test shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No compliance determination shall be established within two hours after a period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352, 6.2.2, 6.2.3] Federally Enforceable Through Title V Permit
28. Source test reports shall be submitted to the District within 60 days after completion of source testing. [District Rules 1070 and 1081, 7.3] Federally Enforceable Through Title V Permit
29. Emissions during annual source tests shall not exceed any of the following limits: 27.8 lb-NO_x/hr, 38.7 lb-CO/hr, 10.3 lb-SO_x/hr, 9.7 lb-VOC/hr, 7.62 lb-filterable-PM₁₀/hr and 14.3 lb-total-PM₁₀/hr. [District Rules 2201, 4301, 5.2, and 4352, 5.1; 40 CFR 60.43b(c) and 40 CFR 60.44b(d) and (l)] Federally Enforceable Through Title V Permit
30. Compliance with the daily NO_x emission limit shall be based on a block 24-hour averaging period using CEM system data. [District Rule 4352, 5.2 and 40 CFR 60.44b(i)] Federally Enforceable Through Title V Permit
31. Permittee shall operate a Continuous Emissions Monitoring (CEM) system to monitor and record NO_x concentrations and O₂ concentrations, as well as the NO_x emission rate whenever the boiler is operating. The CEM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The CEM system must also comply with 40 CFR 60 Appendix B, Performance Specifications 2, 3 and 6, and 40 CFR 60 Appendix F, Quality Assurance Procedures. Per Section 5.1.1 of Appendix F, at least once each calendar year, a Relative Accuracy Test Audit (RATA) must be conducted. Per Sections 5.1.2 and 5.1.3 of Appendix F, a Cylinder Gas Audit (CGA) and a Relative Accuracy Audit (RAA) must be conducted once each calendar quarter, except in the quarter where a RATA is performed. [District Rules 1080 and 4352, 5.4; 40 CFR 60.7(c), 40 CFR 60.13, and 40 CFR 60.48b] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

32. Permittee shall operate a Continuous Opacity Monitoring (COM) system to monitor and record opacity whenever the boiler is operating. The COM system shall be operated, maintained, and calibrated pursuant to the requirements of 40 CFR 60.7(c), 60.13, and 60.48b. The COM system must also satisfy Performance Specification 1 of 40 CFR 60 Appendix B. [District Rule 1080; 40 CFR 60.7(c), 40 CFR 60.13, 40 CFR 60.48b, and 40 CFR 64.3(a) and (d)] Federally Enforceable Through Title V Permit
33. The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEM data polling software system and shall make CEM data available to the District's automated polling system on a daily basis. [District Rule 1080] Federally Enforceable Through Title V Permit
34. Upon notice by the District that the facility's CEM system is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEM data is sent to the District by a District-approved alternative method. [District Rule 1080] Federally Enforceable Through Title V Permit
35. A quarterly CEM and COM report shall be submitted to the District which includes the following: hours of operation, the date and time of each exceedance of emissions limits (including startup, shutdown, malfunctions or any other reason), the quantity of excess emissions, any conversion factors used to calculate excess emissions, the nature and cause of each malfunction, any corrective action taken and any preventive measures adopted, hours of CEM (and COM) down time, and the cause of all CEM (and COM) down time. [District Rules 1080 and 4352, 5.4; 40 CFR 60.49b(h) and 40 CFR 64.3(d)(i)] Federally Enforceable Through Title V Permit
36. Quarterly reports shall be submitted to the District within 30 days after the end of each calendar quarter. [District Rules 1080 and 4352, 5.4] Federally Enforceable Through Title V Permit
37. In cases of CEMS breakdown, malfunction, repairs, calibration checks, and adjustments, emission data shall be obtained as described in paragraph f of 40 CFR 60.48b. [40 CFR 60.48b(f)] Federally Enforceable Through Title V Permit
38. All quarterly NO_x (CEM) and opacity (COM) reports required by this permit may be submitted to the District electronically in lieu of a written submittal. [40 CFR 60.49b(v)] Federally Enforceable Through Title V Permit
39. Baghouse shall be operated whenever the biomass combustor is operating. [District Rule 2201 and 40 CFR 64.3(a)] Federally Enforceable Through Title V Permit
40. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201 and 40 CFR 64.3(a)] Federally Enforceable Through Title V Permit
41. Visible emissions from the baghouse serving solid fuel-fired boiler shall not equal or exceed 20% opacity for a period or periods aggregating more than three minutes in one hour as determined by the continuous opacity monitor (COM). [District Rules 2201 and 4101; 40 CFR 60.43b(f) and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
42. Pressure drop across the baghouse shall be maintained between 4 and 9 inches water column. [District Rule 2201 and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
43. Pressure drop across baghouse shall be observed and recorded at least once per day during operation of this unit. [District Rule 2520, 9.3.2 and 40 CFR 64.3(b)] Federally Enforceable Through Title V Permit
44. Upon detecting any excursion from the acceptable range of baghouse 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. If the daily average baghouse differential pressure reading is not within the acceptable established range for two consecutive days, permittee shall notify the APCO of such exceedance within 96 hours. [40 CFR 64.7] Federally Enforceable Through Title V Permit
45. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR 64.7. [40 CFR 64.7] Federally Enforceable Through Title V Permit
46. 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 64.8. [40 CFR 64.7(d)(2) and 40 CFR 64.8] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

47. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9. [40 CFR 64.9] Federally Enforceable Through Title V Permit
48. Replacement bags numbering at least 10% of the total number of bags shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
49. The baghouse shall be equipped with multiple compartments having fire detection systems. [District Rule 2201] Federally Enforceable Through Title V Permit
50. The dust collection system shall be thoroughly inspected quarterly for tears, scuffs, abrasions, holes or any evidence of particulate matter leaks and shall be repaired as needed. [District Rules 1070, 2201, and 2520, 9.3.2] Federally Enforceable Through Title V Permit
51. Records of dust collector maintenance, inspection, and repair shall be maintained for five years and provided to the District upon request. The record shall include identification of the equipment, date of inspection, corrective action taken and identification of the individual performing the inspection. [District Rule 2520, 9.4.1, 9.4.2] Federally Enforceable Through Title V Permit
52. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
53. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E = 3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E = 17.31 \times P^{0.16}$ if P is greater than 30 ton per hour. [District Rule 4202] Federally Enforceable Through Title V Permit
54. Permittee shall record the type, mass, and geographic origin of all creditable biomass received on a daily basis. [District Rules 2201 and 4352, 6.1.1] Federally Enforceable Through Title V Permit
55. Permittee shall record on a monthly basis the higher heating value of all fuels used. [District Rule 4352, 6.1.1] Federally Enforceable Through Title V Permit
56. The higher heating value of all solids fuels shall be certified by a third-party supplier or determined by ASTM Methods D 5865-10 or E 711-87, or other test method(s) with prior written approval of the APCO, ARB, and EPA. [District Rule 4352, 6.3] Federally Enforceable Through Title V Permit
57. Daily records for each load of creditable biomass received shall be maintained which include the date, weigh ticket number, supplier name, fuel type, tons received, the offset ratio for the load of biomass, and the amount of offset credit (in pounds of pollutant) attributable to each load of biomass. Records shall include certifications that any creditable biomass for which offset credit is claimed has historically been open burned in the San Joaquin Valley air basin. [District Rules 2201 and 4352, 6.1] Federally Enforceable Through Title V Permit
58. Daily records of creditable biomass received shall be used to determine annual offset compliance. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
59. The permittee shall record and maintain records of the amount of wood and natural gas fuel combusted each day, and calculate the annual capacity factor individually for wood and natural gas on a 12-month rolling average with a capacity factor calculated at the end of each month. [40 CFR 60.49b(d)] Federally Enforceable Through Title V Permit
60. The following CEMS records shall be kept for each steam generating unit operating day: (1) Calendar date, (2) Average hourly NOx emission rate, (3) The 24-hour average NOx emission rate (lb-NOx/hr) calculated at the end of each steam generating unit operating day from the measured NOx emissions rate for the preceding 24 hours. (4) Identification of daily NOx limit exceedances including reason for exceedance and the corrective actions taken, (5) Identification of daily CEMS interruptions including reason for interruption and the corrective actions taken, (6) Identification of data exclusions and the reasons for the exclusion, (7) Identification of times that the pollutant concentration exceeded the full span of the CEMS, (8) Description of modifications to the CEMS, and (9) Results of daily CEMS drift tests and other tests required under Appendix F, Procedure 1. A report containing these records shall be submitted to the District upon request. [40 CFR 60.49b(g) and 40 CFR 60.49b(i)] Federally Enforceable Through Title V Permit
61. The permittee shall maintain a record of the opacity readings made by the COM. [40 CFR 60.49b(f)] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

62. All records required by this permit shall be retained on site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4352, 6.1.2] Federally Enforceable Through Title V Permit
63. HCl emissions from this unit shall not exceed 0.022 lb/MMBtu except during periods of startup and shutdown. HCl emissions shall be determined annually according to the procedures in 40 CFR 63 Subpart DDDDD. [40 CFR 63.7500, Table 2] Federally Enforceable Through Title V Permit
64. Mercury emissions from this unit shall not exceed 0.0000057 lb/MMBtu except during periods of startup and shutdown. Mercury emissions shall be determined annually according to the procedures in 40 CFR 63 Subpart DDDDD. [40 CFR 63.7500, Table 2] Federally Enforceable Through Title V Permit
65. CO emissions shall not exceed 470 ppmvd corrected to 3% O₂, except during periods of startup and shutdown. [40 CFR 63.7500, Table 2] Federally Enforceable Through Title V Permit
66. Filterable PM shall not exceed 0.11 lb/MMBtu except during periods of startup and shutdown, or total selected metals (TSM) as defined in 40 CFR 63 Subpart DDDDD shall not exceed 0.0012 lb/MMBtu except during periods of startup and shutdown. Filterable PM or TSM emissions shall be determined annually according to the procedures in 40 CFR 63 Subpart DDDDD. [40 CFR 63.7500, Table 2] Federally Enforceable Through Title V Permit
67. By January 31, 2016, and annually thereafter, the permittee shall perform a tune-up of the boiler as specified in 40 CFR 63.7540. [40 CFR 63.7500, Table 3] Federally Enforceable Through Title V Permit
68. By January 31, 2016, permittee shall have a one-time energy assessment performed by a qualified energy assessor. An energy assessment that has been completed on or after January 1, 2008 that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. A facility that operates under an energy management program compatible with ISO 50001 that includes this unit also satisfies this requirement. The energy assessment must include the following items with extent of the evaluation for items a through e appropriate for the on-site technical hours listed in 40 CFR 63.7575: a) A visual inspection of the boiler or process heater system; b) An evaluation of operating characteristics of the boiler, specification of energy using systems, operating and maintenance procedures, and unusual operating constraints; c) An inventory of major energy use systems consuming energy from the boiler and which are under the control of the boiler owner/operator; d) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage; e) A review of the facility's energy management practices and provide recommendations for improvements consistent with the definition of energy management practices, if identified; f) A list of cost effective energy conservation measures that are within the facility's control; g) A list of energy savings potential of the energy conservation measures identified; and h) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those improvements. [40 CFR 63.7500, Table 3] Federally Enforceable Through Title V Permit
69. Permittee shall operate all continuous monitoring systems during startup and shutdown of the boiler. [40 CFR 63.7500, Table 3] Federally Enforceable Through Title V Permit
70. Permittee shall comply with all applicable emissions limits at all times except for startup or shutdown periods conforming with this work practice. Permittee shall collect monitoring data during periods of startup and shutdown, as specified in §63.7535(b). Permittee shall keep records during periods of startup and shutdown and shall provide reports concerning activities and periods of startup and shutdown, as specified in §63.7555. [40 CFR 63.7500, Table 3] Federally Enforceable Through Title V Permit
71. Permittee shall vent emissions to the main stack upon firing the unit on biomass and shall engage all of the applicable control devices except limestone injection in fluidized bed combustion boiler, dry sorbent and carbon injection, fabric filter, and selective non-catalytic reduction. Those systems shall be started as expeditiously as possible. Permittee shall collect monitoring data during periods of startup as specified in 40 CFR 63.7535(b). Permittee shall keep records during periods of startup. Permittee shall provide reports concerning activities and periods of startup, as specified in 40 CFR 63.7555. [40 CFR 63.7500, Table 3] Federally Enforceable Through Title V Permit
72. Opacity from the boiler shall not exceed 10% on a daily block average. [40 CFR 63.7500, Table 4] Federally Enforceable Through Title V Permit
73. Permittee shall maintain the minimum sorbent (limestone, sodium bicarbonate) or carbon injection rate as defined in §63.7575 of 40 CFR 63 Subpart DDDDD. [40 CFR 63.7500, Table 4] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

74. Permittee shall ensure that the flow of injected sorbent (limestone, sodium bicarbonate) or carbon is not interrupted by operating an opacity meter, triboelectric monitoring system, or other system (approved by the District in writing) that alerts the permittee that an absence of flow of sorbent or carbon is present. [District Rule 2201] Federally Enforceable Through Title V Permit
75. For boilers that demonstrate compliance with a performance test, the permittee shall maintain the operating load of each unit such that it does not exceed 110 percent of the highest hourly average operating load recorded during the most recent performance test. [40 CFR 63.7500, Table 4] Federally Enforceable Through Title V Permit
76. Filterable PM, TSM, HCl, mercury, and CO emissions shall be source tested using the methods and procedures specified in 40 CFR 63 Subpart DDDDD. [40 CFR 63.7500, Table 5] Federally Enforceable Through Title V Permit
77. Reports required by 40 CFR 63 Subpart DDDDD shall be submitted electronically or by hard copy to EPA as described in 40 CFR 63.7550 and to SJVUAPCD. [40 CFR 63.7500, Table 9] Federally Enforceable Through Title V Permit



San Joaquin Valley Air Pollution Control District

www.valleyair.org



Permit Application For:

ADMINISTRATIVE AMENDMENT MINOR MODIFICATION SIGNIFICANT MODIFICATION

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|
| 1. PERMIT TO BE ISSUED TO: | | |
| 2. MAILING ADDRESS: | | |
| STREET/P.O. BOX: _____ | | |
| CITY: _____ | STATE: _____ | 9-DIGIT ZIP CODE: _____ |
| 3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: | | INSTALLATION DATE: |
| STREET: _____ CITY: _____ | | |
| _____ ¼ SECTION _____ TOWNSHIP _____ RANGE _____ | | |
| 4. GENERAL NATURE OF BUSINESS: | | |
| 5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) | | |
| 6. TYPE OR PRINT NAME OF APPLICANT: | | TITLE OF APPLICANT: |
| 7. SIGNATURE OF APPLICANT: _____ | | PHONE: () |
| DATE: _____ | | FAX: () |
| | | EMAIL: _____ |

For APCD Use Only:

| | |
|------------|---------------------------------------------|
| DATE STAMP | FILING FEE RECEIVED: \$ _____ CHECK#: _____ |
| | DATE PAID: _____ |
| | PROJECT NO: _____ FACILITY ID: _____ |

APPLICATION FOR TITLE V MODIFICATION

- Instructions -

Page 1 of 2

On the application form, mark the box to indicate what type of Title V modification this is. Only one application form is needed for each facility.

- Line 1.** Indicate the name of the business exactly as it appears on the Permit to Operate.
- Line 2.** List the mailing address where correspondence regarding the application and the Permit to Operate may be sent. Please include your nine-digit zip code.
- Line 3.** List the physical location where the emissions unit(s) will be operated. If a street address is not applicable, provide the United States Geological Survey (USGS) quarter-section, township, and range or the Universal Transverse Mercator (UTM) coordinates. Indicate the installation date of any equipment changes from this modification.
- Line 4.** Indicate the general nature of the business performed by the facility.
- Line 5.** Describe each emissions unit. You may reference existing valid District Permits to Operate for each permitted emissions unit. A summary listing of all emissions units with valid District operating permits can be obtained from the District and may be attached and referenced. Reference and attach a copy of the Authority to Construct (ATC) issued by the District for this modification, if one is available.
- Line 6.** Type or print the name of the applicant followed by the title of the applicant.
- Line 7.** Sign and date the application in ink. Also include the daytime telephone number, FAX number, and e-mail address of the applicant.

OTHER REQUIRED INFORMATION

Please attach a Title V Modification – Compliance Certification Form (TVFORM-009). If needed to complete the processing of your Title V permit application, the District may request additional information.

APPLICATION FOR TITLE V MODIFICATION

- Instructions -

Page 2 of 2

FEES

A nonrefundable filing fee of \$20 per emissions unit, up to a maximum of \$1,468 per stationary source, is required. The applicant may submit the necessary filing fees along with this application, or the District will issue a bill for the appropriate fee. Checks or money orders shall be made payable to the SJVUAPCD. All filing fees paid will be credited toward the hourly evaluation fee.

Every applicant for a Title V permit modification, administrative amendment, or certificate of conformity, shall also pay an evaluation fee for the issuance of the Title V permit. The fee shall be calculated using the staff hours expended and a weighted labor rate. All filing fees paid will be credited towards the evaluation fee.

The fee requirements are specified in District Rule 3010 (Permit Fee).

APPLICATION SUBMITTAL

Title V sources are encouraged to schedule a meeting with District personnel prior to submitting Title V applications. Applications, including all supporting documents, must be submitted in duplicate since EPA requires that a copy of each application be forwarded to them. It is recommended that applications be submitted to the Central Regional Office. However, applications may be submitted either by mail or in person at the following locations:

Northern Region Office
(Serving San Joaquin, Stanislaus, and
Merced Counties):

4800 Enterprise Way
Modesto, CA 95356-8718
(209) 557-6400
FAX: (209) 557-6475
SBA Hotline: (209) 557-6446

Central Region Office
(Serving Madera, Fresno, and Kings
Counties):

1990 E. Gettysburg Avenue
Fresno, California 93726-0244
(559) 230-5900
FAX: (559) 230-6061
SBA Hotline: (559) 230-5888

Southern Region Office
(Serving Tulare and Kern Counties):

34946 Flyover Court
Bakersfield, California 93308
(661) 392-5500
FAX: (661) 392-5585
SBA Hotline: (661) 392-5665



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 ADMINISTRATIVE
 MINOR PERMIT MODIFICATION AMENDMENT

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| COMPANY NAME: | FACILITY ID: - |
| 1. Type of Organization: <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility | |
| 2. Owner's Name: | |
| 3. Agent to the Owner: | |

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial **applicable** 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.
- For minor modifications, this application meets the criteria for use of minor permit modification procedures pursuant to District Rule 2520.

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

Signature of Responsible Official

Date

Name of Responsible Official (please print)

Title of Responsible Official (please print)

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM
INSTRUCTIONS (TVFORM-009)

Page 1 of 1

Complete a Title V Modification - Compliance Certification Form (TVFORM-009) for each Responsible Official (RO) and identify the areas of responsibility for each (indicate by permit number the emissions units under the responsibility of each RO).

I. Type of Permit Action

Mark the appropriate box to indicate whether the application is for: a significant or minor Title V permit modification, or an application for an administrative amendment to a Title V permit.

Line 1. Indicate the organizational structure of the facility.

Line 2. Print the name of the facility owner.

Line 3. Print the name of the agent to the owner, if any, who may conduct business on behalf of the owner.

II. Compliance Certification

A compliance certification is a certification by the Responsible Official that each of the statements initialed in this section are true, accurate, and complete. The Responsible Official must initial the statements that are true, sign and date, and print his/her name and title.

For a corporation, the responsible official shall be a president, secretary, treasurer, or vice president in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation. The responsible official may be a duly authorized representative rather than any of the above if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit; and

1. the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million in 1980 dollars; or
2. the District has approved a petition from the original responsible person to delegate authority.

For a public agency the responsible official shall be either the principal executive officer or the ranking elected official. The principal executive officer, in the case of a federal agency, may be the executive officer having responsibility for a geographical unit.

For a partnership or sole proprietorship, the responsible official is a general partner or the proprietor, respectively.