



AUG 04 2014

Mr. Daniel Dunlap
San Joaquin Cogen, LLC
2575 Park Ln, Suite #200
Lafayette, CO 80026-3200

**Re: Notice of Final Action - Title V Permit Renewal
District Facility # N-1027
Project # N-1133668**

Dear Mr. Dunlap:

The District has issued the Final Renewed Title V Permit for San Joaquin Cogen, LLC. The preliminary decision for this project was made on June 2, 2014. No comments were received subsequent to the District preliminary decision.

The public notice for issuance of the Final Title V Permit will be published approximately three days from the date of this letter.

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

Sincerely,



Arnaud Marjollet
Director of Permit Services

AM:jk/ya

Enclosures

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

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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



San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT



Permit to Operate

FACILITY: N-1027

EXPIRATION DATE: 07/31/2019

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

SAN JOAQUIN COGEN, LLC
2575 PARK LN - STE 200
LAFAYETTE, CO 80026-3200

FACILITY LOCATION:

17200 MURPHY PARKWAY
LATHROP, CA 95330

FACILITY DESCRIPTION:

COGENERATION FACILITY

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

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

Seyed Sadredin
Executive Director / APCO

Arnaud Marjollet
Director of Permit Services

San Joaquin Valley Air Pollution Control District

FACILITY: N-1027-0-3

EXPIRATION DATE: 07/31/2019

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; San Joaquin County Rule 110] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; San Joaquin County Rule 110] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (8/18/11). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: SAN JOAQUIN COGEN, LLC
Location: 17200 MURPHY PARKWAY, LATHROP, CA 95330
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10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (2/17/05), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials for architectural coatings subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment traffic area that anticipates more than 50 or more Average Annual Daily Trips(AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment traffic area that anticipates 150 vehicle daily trips (VDT), or 150 VDT that are utilized intermittently for a period of 30 days or less during the calendar year shall comply with the requirements of Section 5.1.2 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/04) or Rule 8011 (8/19/04). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: San Joaquin County Rule 401 and San Joaquin County Rule 110. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601, sections 5.1, 5.2, 5.3, and 5.8 (12/17/09); 8021 (8/19/04); 8031 (8/19/04); 8041 (8/19/04); 8051 (8/19/04); 8061 (8/19/04); and 8071 (9/16/04). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere that causes a public nuisance. [District Rule 4102]
42. The facility shall comply with all applicable requirements of Rule 4663. [District Rule 4663] Federally Enforceable Through Title V Permit
43. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin December 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1027-1-8

EXPIRATION DATE: 07/31/2019

EQUIPMENT DESCRIPTION:

GENERAL ELECTRIC LM5000 NATURAL GAS FIRED GAS TURBINE ENGINE WITH STEAM INJECTION, AMMONIA INJECTION, SELECTIVE CATALYTIC REDUCTION, AND AN OXIDATION CATALYST SERVING A 48.6 MW COGENERATION PLANT

PERMIT UNIT REQUIREMENTS

1. Operations during periods of startup and shutdown shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the emission limit shown in this permit during periods of startup and shutdown be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. [40 CFR 60.8 (c)] Federally Enforceable Through Title V Permit
2. Startup or shutdown periods is the time during which the exhaust gas is not within the normal operating temperature range. The duration of each start-up or each shutdown shall not exceed two hours. [District Rule 4703] Federally Enforceable Through Title V Permit
3. The SCR system shall have an effective catalyst volume of at least 904 cubic feet at all times. [District NSR Rule and District Rule 4703, 5.1] Federally Enforceable Through Title V Permit
4. The gas turbine shall be equipped with an automatic air/fuel ratio control system. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from the gas turbine shall not exceed any of the following limits: 80 lbs-PM10/day, 148 lbs-NOx/day as (NO2), 7 lbs-SOx/day as (SO2), 289 lbs-CO/day and 93 lbs-VOC/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. NOx emission concentrations from the gas turbine exhaust stack shall not exceed 3.8 ppmv dry calculated to 15% O2, except during periods of startup and shutdown as defined in this permit. [District NSR Rule; District Rule 4703, 5.1; and 40 CFR Part 60.332(a)] Federally Enforceable Through Title V Permit
7. CO emissions concentrations from the gas turbine exhaust stack shall not exceed 12 ppmv dry calculated to 15% O2, except during periods of startup and shutdown as defined in this permit. [District NSR Rule and District Rule 4703, 5.2] Federally Enforceable Through Title V Permit
8. The total particulate matter (PM) emissions from the gas turbine exhaust shall not exceed 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
9. Results of the CEM system shall meet all applicable requirements of CFR 60.13. [40 CFR 60.13] Federally Enforceable Through Title V Permit
10. NOx emissions concentrations measured for compliance shall be averaged over a three hour period, using consecutive 15-minute sampling periods in accordance all applicable requirements of 40 CFR Part 60. CO, PM10, VOC and SOx emissions concentrations measured for compliance shall be averaged over a 15-minute sampling period. [District Rule 1081, 4.0] Federally Enforceable Through Title V Permit
11. The ammonia slip shall not exceed 20 ppmv dry at 15% O2. [District NSR Rule] Federally Enforceable Through Title V Permit

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

12. All CEMS data required to comply with the conditions in this permit shall be rounded to the same number of significant digits as the specified limits, but not less than two significant digits. [40 CFR 60.13 (h)] Federally Enforceable Through Title V Permit
13. The selective catalytic reduction (SCR) system shall be installed in the path of the heat recovery boiler where the temperature range is 575 to 750°F. The temperature of the exhaust gas leaving the catalytic oxidation reduction (COR) system shall be greater than 600°F at all times, except during periods of startup or shutdown. [District NSR Rule and 40 CFR Part 64] Federally Enforceable Through Title V Permit
14. The owner or operator shall measure and record flue gas temperature leaving the COR system during each source test while measuring VOC emissions. [40 CFR Part 64] Federally Enforceable Through Title V Permit
15. This unit shall be fired exclusively on PUC-quality natural gas which has a sulfur content of less than or equal to 0.017% by weight. [40 CFR 60.333(b) and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
16. The sulfur content of each fuel source shall be documented in a current valid purchase contract, a supplier certification, tariff or transportation contract, or tested daily in accordance with the requirements of 40 CFR 60.334 (h) and (i). [40 CFR 60.334(h) and 40 CFR 60.334(i)] Federally Enforceable Through Title V Permit
17. If the sulfur content of the natural gas being fired in the turbine is determined using daily testing, then ASTM D1072, D3246, D4468, or D6667 shall be used to make this determination. [40 CFR 60.335(b)(10)] Federally Enforceable Through Title V Permit
18. The circular cross section exhaust stack (after SCR unit) shall be equipped with permanent provisions to allow collection of stack gas samples consistent with U.S. EPA test methods and equipped with flow straighteners, if necessary, to minimize turbulence. The stack height shall be minimum of 50 feet and shall be adequate for stack sampling pursuant to EPA reference methods for source testing. The facility shall comply with this and all applicable compliance testing procedures described in District Rule 1081 (amended December 17, 1992). [40 CFR Part 60; District NSR Rule; District Rule 4703; District Rule 1081, 3.0, 5.0, and 6.0] Federally Enforceable Through Title V Permit
19. Source testing for NO_x, CO, VOC and ammonia slip shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
20. 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. The results of each source test shall be submitted to the District within 60 days after testing day. [District Rule 1081] Federally Enforceable Through Title V Permit
21. The owner or operator shall provide source test information annually regarding the exhaust gas NO_x and CO concentration corrected to 15% O₂ (dry). EPA Methods 7E or 20 shall be used for NO_x emissions. EPA Methods 10 or 10B shall be used for CO emissions. EPA Methods 3, 3A, or 20 shall be used for Oxygen content of the exhaust gas. [40 CFR 60.8(a) and District Rule 4703, 5.1, 6.3.1, 6.4.1, 6.4.2, and 6.4.3] Federally Enforceable Through Title V Permit
22. Unfired heat recovery steam generator turbine exhaust for the unit shall be equipped with CEMS for NO_x, CO; and O₂. CEMS shall meet the performance specification requirements in 40 CFR Part 60, Appendix F, 40 CFR Part 51, Appendix P, and Part 60, Appendix B, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the U.S. EPA. CEMS data shall be used to determine compliance with emission limits. [District Rule 1080, 4.0 and 5.0; District NSR Rule, District Rule 4703 and 40 CFR 60.13] Federally Enforceable Through Title V Permit
23. A CEMS system shall be used to demonstrate compliance with the NO_x emission limits at 30, 50, 75, and 100% of peak load or at four points in the normal operating range of the gas turbine, including the minimum point in the range and peak load. All loads shall be corrected to ISO conditions using the appropriate equations supplied by the manufacturer. [40 CFR 60.335] Federally Enforceable Through Title V Permit
24. The facility shall comply with the applicable requirements for quality assurance testing and maintenance of the CEMS equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080, 6.0 and 40 CFR Part 60] 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.

25. All continuous monitoring and recording instruments shall be installed, calibrated, operated and shall be reported in accordance with the requirements of 40 CFR, Part 51. [District NSR Rule and District Rule 4001] Federally Enforceable Through Title V Permit
26. CEM cycling times shall be those specified in 40 CFR, Part 51, Appendix P, Sections 3.4 and 3.4.2, or shall meet equivalent specifications established by mutual agreement of the District, the ARB and the EPA. [District Rule 1080, 6.4] Federally Enforceable Through Title V Permit
27. The continuous NOx and O2 monitoring system shall meet the performance specification requirements in 40 CFR 60, Appendix F, 40 CFR 51, Appendix P, and Part 60, Appendix B, or shall meet equivalent specifications established by mutual agreement of the District, the ARB, and the EPA. [District Rule 1080, 6.3, 6.5, 6.6 and 7.2] Federally Enforceable Through Title V Permit
28. The owner or operator shall, upon written notice from the APCO, provide a summary of the data obtained from the CEM systems. This summary of data shall be in the form and the manner prescribed by the APCO. [District Rule 1080, 7.1] Federally Enforceable Through Title V Permit
29. On days of turbine engine startup/shutdown, permittee shall demonstrate compliance with NOx and CO daily emissions limits with CEMS data, fuel rate data, and daily hours of operation data. A written record of the compliance demonstration shall be maintained and made available for District inspection for a period of five years. [District Rule 1080, 7.1; District NSR Rule; District Rule 2520, 9.3.2, 9.4.2] Federally Enforceable Through Title V Permit
30. Except during system breakdowns, repairs and maintenance, calibration checks, and zero and span adjustments, the CEMS shall be in continuous operation while the turbine is operating. NOx emissions in ppmv (corrected to 15% O2) and CO and O2 concentrations must be recorded continuously (except as noted elsewhere) and data shall be reduced to 15-minute averages per 40 CFR Part 60.13 (e)(2). [District NSR Rule, 40 CFR 60.13] Federally Enforceable Through Title V Permit
31. Records shall be maintained and shall contain the occurrence and duration of any startup, shutdown, or malfunction; performance testing, evaluations, calibrations, checks, adjustments, any period during which a continuous monitoring system or monitoring device was inoperative, maintenance of any CEMS that have been installed pursuant to District Rule 1080; emission measurements; and daily actual local startup and stop time, length and reason for reduced load periods, total hours of operation and quantity of fuel used. [District Rule 1080, 4.0 and 7.3; District NSR Rule; District Rule 4703; 40 CFR 60.332(a), (b); 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
32. Permittee shall maintain on file copies of natural gas bills. Certification of the sulfur content by the gas supplier on the Fuel Gas Tariff will be an acceptable alternative for verifying compliance with fuel sulfur limit. [40 CFR 60.334 (b); 40 CFR 60.334(h)(3) ; District NSR Rule; District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
33. Operators of CEMS 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 time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken, and preventive measures adopted; averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; applicable time and date of each period during which the CEMS was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; and a negative declaration when no excess emissions occurred. For clarification, operator shall use the same averaging periods as written into the permit for demonstrating compliance. [40 CFR 60.7(c); District Rule 1080, 8.0] Federally Enforceable Through Title V Permit
34. Facility shall notify the APCO of a violation of any emission standards indicated by the CEMS within 96 hours of occurrence. The APCO shall be notified within eight hours after the detection of a breakdown of CEMS monitoring equipment and 24 hours prior to a planned shutdown of monitoring equipment greater than 4 hours in duration. [40 CFR 60.334(c); District Rule 1080, 9.0 and 10.0; District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
35. The permittee shall provide a continuous temperature monitoring and recording system to indicate the flue gas temperature through the SCR and COR systems. [District NSR Rule and 40 CFR Part 64] 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.

36. A daily log of the hourly ammonia injection rate and of the pressure drop across the catalyst shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
37. The following types of units are not affected units subject to the requirements of the Acid Rain Program: 1) A simple combustion turbine that commenced operation before November 15, 1990, 2) Any unit that, during 1985, did not serve a generator that produced electricity for sale and that did not, as of November 15, 1990, and does not currently, serve a generator that produces electricity for sale, 3) A cogeneration facility which for a unit that commenced construction prior to November 15, 1990, was constructed for the purpose of supplying equal to or less than one-third its potential electrical output capacity or equal to or less than 219,000 Mwe-hrs actual electric output on an annual basis to any utility power distribution system for sale. Therefore, the requirements of 40 CFR 72.6 do not apply to this source. A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
38. There shall be no visible emissions (except for uncombined water) from the entire system. [District NSR Rule] Federally Enforceable Through Title V Permit
39. The turbine shall be designed and operated at STIG (Trademark GE) conditions in accordance with manufacture's recommended operating procedures. [District NSR Rule, 40 CFR Part 64] Federally Enforceable Through Title V Permit
40. Per the Settlement Agreement entered into as of 06/22/1989, by and between California Attorney General John Van de Kamp and San Joaquin CoGen LLC, San Joaquin CoGen LLC is required to mitigate permitted emissions of PM10 to 0 lb/day & NOx to 85 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
41. Turbine washing operation shall take place only when the turbine is off-line. [District NSR Rule] Federally Enforceable Through Title V Permit
42. VOC emissions from the off-line turbine wash operation shall not exceed 9.8 lb per day. [District NSR Rule] Federally Enforceable Through Title V Permit
43. Records of daily amount of organic solvent used, Material Safety Data Sheet (MSDS) or product data sheet showing the name of the organic solvent, chemical composition, boiling point, and VOC content, mix ratios by volume of components added to the cleaning solvent, shall be maintained, retained on the premises for at least five years and made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
44. Compliance with permit conditions in the Title V permit shall be deemed compliance with the 40 CFR 60.332(c), 60.333 (a) and (b); 60.334(b), (b)(1), (b)(2), (b)(3), (h)(1), (i), (j); 60.335(b)(10). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
45. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: 40 CFR 60.7(b), 60.8, 60.8(d), 60.13, and 60.13(b); District Rules 1080 (as amended 12/17/92), Sections 6.3, 6.4, 6.5, 7.0, 7.1, 7.2, 7.3, 8.0, 9.0, 10.0, and 11.0; and 1081 (as amended 12/16/93). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1027-2-3

EXPIRATION DATE: 07/31/2019

EQUIPMENT DESCRIPTION:

185 BHP CATERPILLAR MODEL 3208 NA-210 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. NOx emissions from the engine shall not exceed 8.0 g/hp-hr, averaged over 15 consecutive minutes. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [San Joaquin County Rule 407, 17 CCR 93115 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Compliance with permit conditions in the Title V permit shall be deemed compliance with San Joaquin County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
9. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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10. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
11. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 4701 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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