

September 3, 2021

Mr. Paul Cummins
Fresno Cogeneration Partners
650 Bercut Dr, Ste A
Sacramento, CA 95811

Re: Notice of Final Action - Title V Permit Renewal
Facility Number: C-14
Project Number: C-1200627

Dear Mr. Cummins:

The District has issued the Final Renewed Title V Permit for Fresno Cogeneration Partners (see enclosure). The preliminary decision for this project was made on July 19, 2021.

The public notice for issuance of the Final Title V Permit will be posted on the District's website (www.valleyair.org).

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,



Brian Clements
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email
cc: Laura Yannayon, EPA (w/enclosure) via EPS

Samir Sheikh
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



Facility # C-14
FRESNO COGENERATION PARTNERS
8105-B S LASSEN AVE
SAN JOAQUIN, CA 93660

Notice of Permit Issuance

The enclosed permit unit requirements authorize the operation of the equipment as described. These permit unit requirements supersede any and all previous permits for the specified equipment.* Please insert these documents into the Facility Permit to Operate, and post copies on or near the equipment as required by District Rule 2010.

Please contact any of our Small Business Assistance (SBA) staff at the numbers below if you have any questions:

Modesto:	(209) 557-6446
Fresno:	(559) 230-5888
Bakersfield:	(661) 392-5665

*Failure to comply with the permit unit requirements may result in enforcement action.

Samir Sheikh
Executive Director/Air Pollution Control Officer

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

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Southern Region
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Bakersfield, CA 93308-9725
Tel: (661) 392-5500 FAX: (661) 392-5585

Permit to Operate

FACILITY: C-14

EXPIRATION DATE: 08/31/2025

LEGAL OWNER OR OPERATOR:

FRESNO COGENERATION PARTNERS

MAILING ADDRESS:

8105-B S LASSEN AVE
SAN JOAQUIN, CA 93660

FACILITY LOCATION:

8105 S LASSEN AVE
SAN JOAQUIN, CA 93660

FACILITY DESCRIPTION:

COGENERATION

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.

Samir Sheikh
Executive Director / APCO

Brian Clements
Director of Permit Services

San Joaquin Valley

Air Pollution Control District

FACILITY: C-14-0-5

EXPIRATION DATE: 08/31/2025

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; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] 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; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] 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 (12/20/07). [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 9.13.1] 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. [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.

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 (02/17/05). 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, and County Rules 401 (in all eight counties in the San Joaquin Valley)] 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 Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 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 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 Part 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 Part 82, Subpart B. [40 CFR Part 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 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] 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 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] 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 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] 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 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] 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 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 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 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] 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: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). 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 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). 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 which causes a public nuisance. [District Rule 4102]
42. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin December 20 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: C-14-5-7

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

534 BHP (INTERMITTENT) CATERPILLAR MODEL 3406B DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 406 (Fresno)] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. During periods of maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example, oil pressure, exhaust gas temperature, etc.). [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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. [17 CCR 93115] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, the purpose of the operation (for example, load testing, weekly testing, rolling blackout, general area power outage, etc.), and records of operational characteristics monitoring. 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 Rules 2520 9.4.2, and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2, and 4702, and 17 CCR 93115] 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: C-14-10-14

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

23 MW ELECTRICAL GENERATOR POWERED BY A PRATT AND WHITNEY MODEL FT4A9 GAS-FIRED, SIMPLE CYCLE TURBINE ENGINE WITH DRY LOW NOX (DLN) TECHNOLOGY OR WATER INJECTION, A SELECTIVE CATALYTIC REDUCTIONS (SCR) SYSTEM, AN OXIDATION CATALYST, AN INLET AIR EVAPORATIVE COOLER, AND LUBE OIL VENT MIST ELIMINATORS

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [40 CFR 60.333(a); County Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus)] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Gas turbine shall be equipped with a calibrated continuous monitoring system to measure and record hours of operation and fuel consumption. [District Rules 2201, 2520 9.4.2, and 4703 6.2.1] Federally Enforceable Through Title V Permit
5. The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater except for up to three minutes in any hour. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The heat input to the turbine shall not exceed 1,320,000 MMBtu/year based on a 12-month rolling sum. Compliance with this limit shall be determined at the end of each month. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Units subject to the Specific Limiting Condition (SLC) plan are C-14-10 and '-11. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Combined emission rate for all units subject to the SLC plan shall not exceed any of the following: 120.9 lb-PM10/day, 50.9 lb-SOx/day, 209.2 lb-NOx/day, 562.7 lb-CO/day, or 45.7 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The combined annual emissions rates for all units subject to the SLC plan shall not exceed either of the following: 48,539 lb-NOx/year or 199,889 lb-CO/year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The permittee shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emissions rate, or Permit to Operate is surrendered or sold. [District Rule 2201] Federally Enforceable Through Title V Permit
11. For each unit subject to the SLC, the permittee shall maintain all necessary records in order to show compliance with the daily and annual SLC limits, including (but not limited to) the following: 1) amount of fuel used, 2) HHV of fuel, 3) calculated daily emissions for each air contaminant emitted, 4) daily emissions measured by CEMS, 5) and calculated combined annual emissions for NOx and CO. [District Rule 2201] 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. This unit shall be fired exclusively on PUC-quality natural gas and the PUC-quality natural gas shall have a total sulfur content of less than or equal to 1.0 gr/100 scf. [40 CFR 60.333(b) and District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
13. The fuel sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, or tariff sheet or transportation contract or (ii) monitored weekly using ASTM Methods D4084, D5504, D6228, or GAS Processors Association Standard 2377. If the fuel sulfur content is less than 1.0 gr/100 scf for 8 consecutive weeks, then the monitoring frequency shall be every 6 months. If any six-month monitoring tests result in a fuel sulfur content exceedance, weekly monitoring shall resume. [40 CFR 60.334(h)(3)] Federally Enforceable Through Title V Permit
14. Except during transitional operation period, emission rates from the gas turbine shall not exceed any of the following: PM10: 2.22 lb/hr, SO_x (as SO₂): 0.98 lb/hr, NO_x (as NO₂): 5.0 ppmvd @ 15% O₂ and 6.20 lb/hr (based on a 3-hour average), VOC: 2.0 ppmvd @ 15% O₂ and 0.88 lb/hr, CO: 12.0 ppmvd @ 15% O₂ and 8.07 lb/hr (based on a 3-hour rolling average), or ammonia: 10 ppmvd @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4102, 4301, 4703 and 40 CFR Part 60 Subpart GG] Federally Enforceable Through Title V Permit
15. During transitional operation period, emission rates from the gas turbine shall not exceed any of the following: PM10: 2.22 lb/hr, SO_x (as SO₂): 0.98 lb/hr, NO_x (as NO₂): 20 lb/hr (based on a 3-hour rolling average), VOC: 0.88 lb/hr, CO: 8.07 lb/r (based on a 3-hour rolling average), or ammonia: 20 ppmvd @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4102, 4301, 4703 and 40 CFR Part 60 Subpart GG] Federally Enforceable Through Title V Permit
16. Transitional operation period shall be any of the following periods as they are define in Rule 4703: bypass transition period, primary re-ignition period, reduced load period start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
17. Permittee 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] Federally Enforceable Through Title V Permit
18. In the event of a breakdown of monitoring equipment, the owner shall notify the APCO as soon as reasonably possible, but no later than eight (8) hours after its detection, unless the owner or operator demonstrates to the APCO's satisfaction that a longer reporting period was necessary, and shall initiate repairs. The owner shall inform the APCO of the intent to shut down any monitoring equipment at least 24 hours prior to the event. [District Rule 1080, 10.0] Federally Enforceable Through Title V Permit
19. A violation of emissions standards indicated by the CEM system shall be reported to the APCO within 96 hours. [District Rule 1080, 9.0] Federally Enforceable Through Title V Permit
20. 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] Federally Enforceable Through Title V Permit
21. Compliance with the ammonia slip limit shall be demonstrated by using the following calculation procedure: ammonia slip ppmv @ 15% O₂ = ((a-(bxc/1,000,000)) x 1,000,000/b), where a = ammonia injection rate (lb/hr)/17 lb/lb.mol, b = dry exhaust gas flow rate (lb/hr)/29(lb/lb.mol), and c = change in measure NO_x concentration ppmv @ 15% O₂ across catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Compliance testing to measure the NO_x (as NO₂), VOC, CO, ammonia emissions, and fuel gas sulfur content of this permit unit shall be conducted at least once every twelve months. [District Rules 2201 and 4703, 6.3 and 40 CFR 60.332 (a), (b) and 40 CFR 60.333] Federally Enforceable Through Title V Permit
23. Compliance testing to measure PM10 emissions shall be conducted at least once every 60 months. [District Rule 2201] 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.

24. The following test methods shall be used. PM10: EPA Method 5 (front half and back half), NOx: EPA Method 7E or 20, CO: EPA Method 10 or 10B, O2: EPA Method 3, 3A, or 20, VOC: EPA Method 18 or 25, ammonia: BAAQMD ST-1B, and fuel gas sulfur content: ASTM D3246. Alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081, 4703, 6.4, and 40 CFR 60.335(b)] Federally Enforceable Through Title V Permit
25. HHV and LHV of the fuel shall be determined using ASTM D3588, ASTM 1826, or ASTM 1945. [40 CFR 60.332(a),(b) and District Rule 4703, 6.4.5] Federally Enforceable Through Title V Permit
26. Permittee shall comply with all applicable source sampling requirements of District Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
27. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Compliance demonstration (source testing) shall be District witnessed, or authorized and the samples shall be collected by a California Air Resources Board certified testing laboratory. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days of source testing. [District Rule 1081] Federally Enforceable Through Title V Permit
29. The owner or operator shall certify, maintain, operate, and quality-assure a Continuous Emissions Monitoring System (CEMS) which continuously measures and records the exhaust gas NOx (before and after the SCR catalyst), CO, and O2 concentrations. The CEMS shall be capable of monitoring emissions during startups and shutdowns, as well as during normal operating conditions. [40 CFR 60.334(b) and District Rules 1080, 2201, and 4703] Federally Enforceable Through Title V Permit
30. The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. [40 CFR 60.334(b)(2) and District Rule 1080] Federally Enforceable Through Title V Permit
31. Results of the CEM system shall be averaged over three hour periods using consecutive 15-minute sampling periods in accordance with either EPA Method 7E or EPA Method 20 for NOx, EPA Methods 10 or 10B for CO, or EPA Methods 3, 3A, or 20 for O2, or all applicable requirements of CFR 60.13. [40 CFR 60.13 and District Rule 4703 5.1, 6.4] Federally Enforceable Through Title V Permit
32. The NOx, CO, and O2 CEMS shall meet the requirements in 40 CFR 60, Appendix F Procedure 1 and Part 60 Appendix B Performance Specifications 2 and 3. [40 CFR 60.334(b)(1) and District Rule 1080] Federally Enforceable Through Title V Permit
33. The owner or operator shall maintain CEMS records that contain the following: the occurrence and duration of any start-up, shutdown, or malfunction, performance testing evaluations, calibration, checks, adjustments, maintenance, duration of any periods during which a continuous monitoring system or monitoring device is inoperative, and emissions measurements. [40 CFR 60.7(b) and District Rule 1080] Federally Enforceable Through Title V Permit
34. Audits of continuous emissions monitors shall be conducted quarterly, except during quarters in which relative accuracy and total accuracy testing is performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
35. The owner/operator shall perform a relative accuracy test (RATA) as specified by 40 CFR Part 60, Appendix F, 5.11, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F. [District Rule 1080] Federally Enforceable Through Title V Permit
36. The owner or operator shall, upon written notice from the APCO, provide a summary of the data obtained from the CEM systems. This summary shall be in the form and the manner prescribed by the APCO. [District Rule 1080, 7.1] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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37. The owner or operator shall submit a written report of CEM operations 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 the following: Time intervals, data and magnitude of excess NO_x emissions, nature and the cause of excess (if known), corrective actions taken and preventative measures adopted; Averaging period used for data reporting corresponding to the averaging period specified in the emission test period and used to determine compliance with an emissions standard; Applicable time and date of each period during which the CEM was inoperative (monitor downtime), except for zero and span checks, and the nature of system repairs and adjustments; A negative declaration when no excess emissions occurred. [40 CFR 60.334(j), (j)(5) and District Rule 1080] Federally Enforceable Through Title V Permit
38. The owner or operator shall report periods of excess emissions that are defined as follows: any one-hour period during which the average-water-to-fuel ratio (when the CEMS is not operational and Dry-Low NO_x technology is not being used), as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with the NO_x emission limit. Each report shall include average water-to-fuel ratio, average fuel consumption, ambient conditions, and gas turbine load. [40 CFR 60.334(c)(1)] Federally Enforceable Through Title V Permit
39. Results of the CEM system shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3 or by other methods deemed equivalent by mutual agreement with the District, the California Air Resources Board, and the Environmental Protection Agency. [District Rule 1080, 6.0] Federally Enforceable Through Title V Permit
40. The continuous monitor of fuel, water, and water-to-fuel ratio system shall be used to determine the fuel consumption and the water-to-fuel ratio necessary to comply with the NO_x emissions 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(b)(2)] Federally Enforceable Through Title V Permit
41. The minimum ammonia injection rate shall be reported to the District and the injection rate shall be monitored by the operator during CEM breakdowns to demonstrate NO_x emission compliance. [District Rule 2201] Federally Enforceable Through Title V Permit
42. APCO or an authorized representative shall be allowed to inspect, as determined to be necessary, the required monitoring devices to ensure that such devices are functioning properly. [District Rule 1080] Federally Enforceable Through Title V Permit
43. The permittee shall maintain the following records: date and time, duration, and type 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, and maintenance of any continuous emission monitor. [District Rule 4703 and 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
44. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, and calculated NO_x mass emission rates (lb/hr). [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
45. The owner or operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley *Air Pollution Control District*

PERMIT UNIT: C-14-10-14

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

23 MW ELECTRICAL GENERATOR POWERED BY A PRATT AND WHITNEY MODEL FT4A9 GAS-FIRED, SIMPLE CYCLE TURBINE ENGINE WITH DRY LOW NOX (DLN) TECHNOLOGY OR WATER INJECTION, A SELECTIVE CATALYTIC REDUCTIONS (SCR) SYSTEM, AN OXIDATION CATALYST, AN INLET AIR EVAPORATIVE COOLER, AND LUBE OIL VENT MIST ELIMINATORS

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [40 CFR 60.333(a); County Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus)] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Gas turbine shall be equipped with a calibrated continuous monitoring system to measure and record hours of operation and fuel consumption. [District Rules 2201, 2520 9.4.2, and 4703 6.2.1] Federally Enforceable Through Title V Permit
5. The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater except for up to three minutes in any hour. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The heat input to the turbine shall not exceed 1,320,000 MMBtu/year based on a 12-month rolling sum. Compliance with this limit shall be determined at the end of each month. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Units subject to the Specific Limiting Condition (SLC) plan are C-14-10 and '-11. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Combined emission rate for all units subject to the SLC plan shall not exceed any of the following: 120.9 lb-PM10/day, 50.9 lb-SOx/day, 209.2 lb-NOx/day, 562.7 lb-CO/day, or 45.7 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The combined annual emissions rates for all units subject to the SLC plan shall not exceed either of the following: 48,539 lb-NOx/year or 199,889 lb-CO/year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The permittee shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emissions rate, or Permit to Operate is surrendered or sold. [District Rule 2201] Federally Enforceable Through Title V Permit
11. For each unit subject to the SLC, the permittee shall maintain all necessary records in order to show compliance with the daily and annual SLC limits, including (but not limited to) the following: 1) amount of fuel used, 2) HHV of fuel, 3) calculated daily emissions for each air contaminant emitted, 4) daily emissions measured by CEMS, 5) and calculated combined annual emissions for NOx and CO. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. This unit shall be fired exclusively on PUC-quality natural gas and the PUC-quality natural gas shall have a total sulfur content of less than or equal to 1.0 gr/100 scf. [40 CFR 60.333(b) and District Rules 2201 and 4201] Federally Enforceable Through Title V Permit
13. The fuel sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, or tariff sheet or transportation contract or (ii) monitored weekly using ASTM Methods D4084, D5504, D6228, or GAS Processors Association Standard 2377. If the fuel sulfur content is less than 1.0 gr/100 scf for 8 consecutive weeks, then the monitoring frequency shall be every 6 months. If any six-month monitoring tests result in a fuel sulfur content exceedance, weekly monitoring shall resume. [40 CFR 60.334(h)(3)] Federally Enforceable Through Title V Permit
14. Except during transitional operation period, emission rates from the gas turbine shall not exceed any of the following: PM10: 2.22 lb/hr, SO_x (as SO₂): 0.98 lb/hr, NO_x (as NO₂): 5.0 ppmvd @ 15% O₂ and 6.20 lb/hr (based on a 3-hour average), VOC: 2.0 ppmvd @ 15% O₂ and 0.88 lb/hr, CO: 12.0 ppmvd @ 15% O₂ and 8.07 lb/hr (based on a 3-hour rolling average), or ammonia: 10 ppmvd @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4102, 4301, 4703 and 40 CFR Part 60 Subpart GG] Federally Enforceable Through Title V Permit
15. During transitional operation period, emission rates from the gas turbine shall not exceed any of the following: PM10: 2.22 lb/hr, SO_x (as SO₂): 0.98 lb/hr, NO_x (as NO₂): 20 lb/hr (based on a 3-hour rolling average), VOC: 0.88 lb/hr, CO: 8.07 lb/r (based on a 3-hour rolling average), or ammonia: 20 ppmvd @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4102, 4301, 4703 and 40 CFR Part 60 Subpart GG] Federally Enforceable Through Title V Permit
16. Transitional operation period shall be any of the following periods as they are define in Rule 4703: bypass transition period, primary re-ignition period, reduced load period start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
17. Permittee 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] Federally Enforceable Through Title V Permit
18. In the event of a breakdown of monitoring equipment, the owner shall notify the APCO as soon as reasonably possible, but no later than eight (8) hours after its detection, unless the owner or operator demonstrates to the APCO's satisfaction that a longer reporting period was necessary, and shall initiate repairs. The owner shall inform the APCO of the intent to shut down any monitoring equipment at least 24 hours prior to the event. [District Rule 1080, 10.0] Federally Enforceable Through Title V Permit
19. A violation of emissions standards indicated by the CEM system shall be reported to the APCO within 96 hours. [District Rule 1080, 9.0] Federally Enforceable Through Title V Permit
20. 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] Federally Enforceable Through Title V Permit
21. Compliance with the ammonia slip limit shall be demonstrated by using the following calculation procedure: ammonia slip ppmv @ 15% O₂ = ((a-(bxc/1,000,000)) x 1,000,000/b), where a = ammonia injection rate (lb/hr)/17 lb/lb.mol, b = dry exhaust gas flow rate (lb/hr)/29(lb/lb.mol), and c = change in measure NO_x concentration ppmv @ 15% O₂ across catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Compliance testing to measure the NO_x (as NO₂), VOC, CO, ammonia emissions, and fuel gas sulfur content of this permit unit shall be conducted at least once every twelve months. [District Rules 2201 and 4703, 6.3 and 40 CFR 60.332 (a), (b) and 40 CFR 60.333] Federally Enforceable Through Title V Permit
23. Compliance testing to measure PM10 emissions shall be conducted at least once every 60 months. [District Rule 2201] Federally Enforceable Through Title V Permit

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24. The following test methods shall be used. PM10: EPA Method 5 (front half and back half), NOx: EPA Method 7E or 20, CO: EPA Method 10 or 10B, O2: EPA Method 3, 3A, or 20, VOC: EPA Method 18 or 25, ammonia: BAAQMD ST-1B, and fuel gas sulfur content: ASTM D3246. Alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081, 4703, 6.4, and 40 CFR 60.335(b)] Federally Enforceable Through Title V Permit
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38. The owner or operator shall report periods of excess emissions that are defined as follows: any one-hour period during which the average-water-to-fuel ratio (when the CEMS is not operational and Dry-Low NO_x technology is not being used), as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with the NO_x emission limit. Each report shall include average water-to-fuel ratio, average fuel consumption, ambient conditions, and gas turbine load. [40 CFR 60.334(c)(1)] Federally Enforceable Through Title V Permit
39. Results of the CEM system shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3 or by other methods deemed equivalent by mutual agreement with the District, the California Air Resources Board, and the Environmental Protection Agency. [District Rule 1080, 6.0] Federally Enforceable Through Title V Permit
40. The continuous monitor of fuel, water, and water-to-fuel ratio system shall be used to determine the fuel consumption and the water-to-fuel ratio necessary to comply with the NO_x emissions 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(b)(2)] Federally Enforceable Through Title V Permit
41. The minimum ammonia injection rate shall be reported to the District and the injection rate shall be monitored by the operator during CEM breakdowns to demonstrate NO_x emission compliance. [District Rule 2201] Federally Enforceable Through Title V Permit
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43. The permittee shall maintain the following records: date and time, duration, and type 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, and maintenance of any continuous emission monitor. [District Rule 4703 and 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
44. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, and calculated NO_x mass emission rates (lb/hr). [District Rules 2201 and 2520, 9.4.2] Federally Enforceable Through Title V Permit
45. The owner or operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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