



MAR 04 2014

Ms. Debbie Livermore
City of Stockton Municipal Utilities Department
2500 Navy Drive
Stockton, CA 95206

**Re: Notice of Final Action - Title V Permit Renewal
District Facility # N-811
Project # N-1131875**

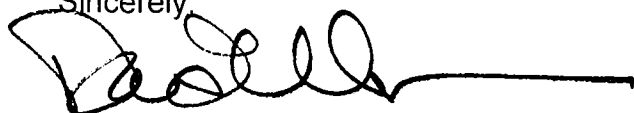
Dear Ms. Livermore:

The District has issued the Final Renewed Title V Permit for City of Stockton Municipal Utilities Department. The preliminary decision for this project was made on January 21, 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,



David Warner
Director of Permit Services

Enclosures

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



HEALTHY AIR LIVING™

Permit to Operate

FACILITY: N-811

EXPIRATION DATE: 11/30/2018

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

STOCKTON RWCF
2500 NAVY DRIVE
STOCKTON, CA 95206

FACILITY LOCATION:

2500 NAVY DR
STOCKTON, CA 95206

FACILITY DESCRIPTION:

WASTEWATER TREATMENT 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

David Warner
Director of Permit Services

San Joaquin Valley Air Pollution Control District

FACILITY: N-811-0-4

EXPIRATION DATE: 11/30/2018

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, 9.9.1 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.

Facility Name: STOCKTON RWCF
Location: 2500 NAVY DR, STOCKTON, CA 95206
N-811-0-4 Feb 27 2014 9:30AM - SCHONHOM

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 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 (8/19/2004) or Rule 8011 (8/19/2004). [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 (8/19/2004) or Rule 8011 (8/19/2004). [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 (8/19/2004) or Rule 8011 (8/19/2004). [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 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] 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 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: 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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-811-11-5

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

450 HP CATERPILLAR MODEL 3406 DITA, S/N 75Z1640, PORTABLE EMERGENCY STANDBY DIESEL-FIRED 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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [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 63.6625(f)] 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. [District Rule 4801 and San Joaquin County Rule 407 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The engine shall be operated and maintained in accordance with manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
6. This engine shall be operated only for testing and maintenance of the engine, 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, 17 CCR 93115 and 40 CFR Part 63.6640(f)] Federally Enforceable Through Title V Permit
7. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
8. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
9. During periods of operation for 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: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] 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.

10. The motor oil and the oil filter shall be changed at least every 500 hours of operation or annually, whichever comes first. Sources have the option to utilize an oil analysis program as described in § 63.6625(i) or (j) in order to extend the specified oil change requirement specified in Table 2d of this subpart. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
11. The air cleaner shall be inspected at least every 1,000 hours of operation or annually, whichever comes first. The air filter shall be replaced as necessary. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [District Rule 40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
12. All belts and hoses shall be inspected at least once every 500 hours of operation or annually, whichever comes first. The belts and hoses shall be replaced as necessary. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [District Rule 40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of emergency and non-emergency operation and of the type of fuel used. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, 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 Rule 4702, 17 CCR 93115 and 40 CFR Part 63.6655(f)] Federally Enforceable Through Title V Permit
14. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(2)] Federally Enforceable Through Title V Permit
15. All records shall be maintained for a period of at least 5 years and shall be made available to the District, EPA or CARB upon request. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
16. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201(amended 12/17/92), and San Joaquin County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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-811-12-5

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

450 HP CATERPILLAR MODEL 3406TA, S/N 75Z01455, PORTABLE EMERGENCY STANDBY DIESEL-FIRED 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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [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 63.6625(f)] 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. [District Rule 4801 and San Joaquin County Rule 407 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The engine shall be operated and maintained in accordance with manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
6. This engine shall be operated only for testing and maintenance of the engine, 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, 17 CCR 93115 and 40 CFR Part 63.6640(f)] Federally Enforceable Through Title V Permit
7. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
8. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
9. During periods of operation for 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: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] 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.

10. The motor oil and the oil filter shall be changed at least every 500 hours of operation or annually, whichever comes first. Sources have the option to utilize an oil analysis program as described in § 63.6625(i) or (j) in order to extend the specified oil change requirement specified in Table 2d of this subpart. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
11. The air cleaner shall be inspected at least every 1,000 hours of operation or annually, whichever comes first. The air filter shall be replaced as necessary. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [District Rule 40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
12. All belts and hoses shall be inspected at least once every 500 hours of operation or annually, whichever comes first. The belts and hoses shall be replaced as necessary. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [District Rule 40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of emergency and non-emergency operation and of the type of fuel used. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, 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 Rule 4702, 17 CCR 93115 and 40 CFR Part 63.6655(f)] Federally Enforceable Through Title V Permit
14. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(2)] Federally Enforceable Through Title V Permit
15. All records shall be maintained for a period of at least 5 years and shall be made available to the District, EPA or CARB upon request. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
16. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201 (amended 12/17/92), and San Joaquin County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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-811-13-4

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

ONE (1) 2,000 GALLON ABOVE GROUND CONVAULT GASOLINE STORAGE TANK SERVED BY COAXIAL PHASE I VAPOR RECOVERY SYSTEM (G-70-97) AND ONE (1) NOZZLE SERVED BY OPW BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-116-B)

PERMIT UNIT REQUIREMENTS

1. The operator shall not store gasoline in or otherwise use or operate any gasoline delivery vessel unless such vessel is designed and maintained to be vapor tight. Any delivery vessel into which gasoline vapors have been transferred shall be filled only at a loading facility that is equipped with a certified system that prevents at least 95% by weight of the gasoline vapors displaced from entering the atmosphere. [District NSR Rule and 4621, 5.2.2] Federally Enforceable Through Title V Permit
2. Any open vent pipe on a stationary aboveground gasoline storage tank shall be equipped with a certified pressure-vacuum relief valve set at eight ounces per square inch, unless otherwise specified in the applicable CARB executive order, and provided that such setting will not exceed the vessel's maximum pressure rating. The vent pipes may be manifolded, as per the applicable CARB executive order, to a single pressure-vacuum relief valve meeting the aforementioned specifications. [District NSR Rule and 4621, 5.1.2] Federally Enforceable Through Title V Permit
3. The vapor recovery systems and their components shall be installed, operated, and maintained in accordance with the State certification requirements. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The District shall be notified by the permittee 15 days prior to each test. The test results shall be submitted to the District no later than 30 days after each test. [District NSR Rule and District Rule 4622] Federally Enforceable Through Title V Permit
5. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 2520, 9.1] Federally Enforceable Through Title V Permit
6. To ensure that all components of the certified Phase II vapor recovery system are maintained in proper operating condition, the non-retail service station operator shall conduct a maintenance inspection one day per month. [District Rule 4622, 5.4.2] Federally Enforceable Through Title V Permit
7. The operator shall maintain all records of required monitoring data, facility monthly gasoline throughput, and support information for District inspection for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
8. Loading and vapor collection equipment shall be maintained and operated such that there are no liquid component leaks under any conditions, nor any excess organic liquid drainage at disconnect. [District Rule 4621, 5.0] Federally Enforceable Through Title V Permit
9. The operator shall not transfer or permit the transfer of gasoline from any delivery vessel into any stationary storage container unless such container is equipped with a permanent submerged fill pipe and a certified Phase I vapor recovery system which is maintained and operated according to the manufacturers specifications. [District Rule 4621, 5.1.1] 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.

10. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank, which attest to the vapor integrity of the tank. [District Rule 4621, 5.2.1] Federally Enforceable Through Title V Permit
11. The hatch on a delivery vessel shall not be opened for visual inspection unless at least three minutes have elapsed since loading or unloading has stopped. The dome hatch, once opened, shall not be held open longer than three minutes. [District Rule 4621, 5.2.3] Federally Enforceable Through Title V Permit
12. Gasoline vapors from this unit shall not be purged into the atmosphere. [District Rule 4621, 5.2.4] Federally Enforceable Through Title V Permit
13. The vapor recovery system shall not create a backpressure in excess of the pressure limits of the delivery vessel certification leak test (18 inches water column). [District Rule 4621, 5.2.5] Federally Enforceable Through Title V Permit
14. The Reid Vapor Pressure of gasoline stored at this facility shall be determined in accordance with ASTM D 5191. [District Rule 4621, 6.2.1 and 4622, 6.3.3] Federally Enforceable Through Title V Permit
15. When determining vapor leaks with a portable analyzer the following must occur: 1) The probe inlet shall be 2.5 cm from the potential leak source. 2) The probe shall be moved slowly (approximately 4 cm/sec). If there is any meter deflection at the potential leak source, the probe shall be moved to locate the point of highest meter response. 3) To the greatest extent possible, the probe inlet shall be positioned in the path of the vapor flow from a leak so as to maximize the measured concentration. 4) The detector response time must be equal to or less than 30 seconds and the detector shall not probe any potential leak source for longer than twice the detector response time. 5) As an alternative to the preceding procedures, operators may use the soap bubble method described in the Alternative Screening Procedure in EPA Method 21. [District Rule 4621, 6.2.2] Federally Enforceable Through Title V Permit
16. The test method to determine vapor tightness of delivery vessels and storage tanks shall be EPA Method 21. [District Rule 4621, 6.2.3 and District Rule 4622, 6.3.4] Federally Enforceable Through Title V Permit
17. The operator shall not transfer or permit the transfer of gasoline from a stationary storage container into a motor vehicle fuel tank with a capacity of greater than five (5) gallons unless the gasoline dispensing unit used to transfer the gasoline from the stationary storage container to the motor vehicle fuel tank is equipped with and has in operation a certified Phase II vapor recovery system. [District Rule 4622, 5.1] Federally Enforceable Through Title V Permit
18. The operator of this gasoline dispensing facility, which has installed a permitted certified Phase II vapor recovery system, shall continue to use such system and shall maintain the system and all of its components in good repair in order that such system can continue to comply with the certification recovery efficiency. Any certified Phase II vapor recovery system that has been installed shall not be removed regardless of the amount of gasoline dispensed or how the gasoline is delivered to the facility. [District Rule 4622, 5.3] Federally Enforceable Through Title V Permit
19. The owner/operator of a gasoline dispensing facility shall implement a periodic maintenance inspection program and document the program in an operation and maintenance (O&M) manual for the certified Phase II vapor recovery system. The O&M manual shall be kept at the facility and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the facility as well as to the District personnel upon request. The O&M manual shall contain detailed instructions that ensure proper operation and maintenance of the certified Phase II vapor recovery system and its components in compliance with all applicable rules and regulations. The manual shall, at a minimum, include the following current information: 1) All applicable ARB Executive Orders, Approval Letters, and District Permits. 2) The manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer. 3) System and/or component testing requirements, including test schedules and passing criteria for each of the standard tests listed in Section 6.0. The owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements. 4) Protocol for performing periodic maintenance inspections including the components to be inspected and the defects requiring repair. 5) Additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622, 5.4.1] 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.

20. Any equipment with a major defect, which is identified during the periodic maintenance inspections, shall be removed from service and, when repaired, duly entered into the O&M manual. The person conducting the inspections shall, at a minimum, verify the following during inspections: 1) That the fueling instructions are clearly displayed with the appropriate toll-free complaint phone number and toxic warning signs. 2) That the following nozzle components are in place and in good condition as specified in ARB Executive Orders: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, hold open latch. 3) That the hoses are not torn, flattened or crimped. 4) That the vapor path does not contain more than 100 ml of liquid and that the vapor path shall be inspected at least once per calendar month. 5) That the vapor-processing unit is functioning properly. 6) Phase I vapor recovery system components that are functionally part of the Phase II vapor recovery system shall be inspected. The person conducting this inspection shall, at a minimum, verify the following; 1) That the fill caps and vapor caps are not missing, damaged, or loose. 2) That the fill cap gasket and vapor cap gaskets are not missing or damaged. 3) That the fill adapter and vapor adapter are securely attached to the risers. 4) That, where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing, and the dry break (poppet-valve) is not missing or damaged. 5) That the submerged fill tube is not missing or damaged. [District Rule 4622, 5.4.3] Federally Enforceable Through Title V Permit
21. The operator shall not operate any certified Phase II vapor recovery system or any portion thereof that has a defect listed in Section 94006 of Title 17 of the California Code of Regulations, or an equipment defect that is identified in any applicable ARB Executive Order, until the defect has been repaired, replaced, or adjusted as necessary to correct the defect, and the District has reinspected the system or has authorized its use pending reinspection. Such authorization shall not include the authority to operate the equipment prior to the correction of the defective components. [District Rule 4622, 5.5] Federally Enforceable Through Title V Permit
22. The operator, upon identification of any of the defects described in the previous permit condition, shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. The tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and/or the District has inspected and authorized the tagged equipment for use. [District Rule 4622, 5.6] Federally Enforceable Through Title V Permit
23. All certified Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained to have no leaks. [District Rule 4622, 5.7] Federally Enforceable Through Title V Permit
24. No person shall top off a motor vehicle fuel tank. [District Rule 4622, 5.9] Federally Enforceable Through Title V Permit
25. The operator shall not tamper with, or permit tampering with, the system in a manner that would impair the operation or effectiveness of the certified Phase II vapor recovery system. [District Rule 4622, 5.11] Federally Enforceable Through Title V Permit
26. All liquid removal devices required by ARB Executive Order shall be maintained to achieve a minimum liquid removal rate of five milliliters per gallon. This standard shall apply at dispensing rates exceeding five gallons per minute, unless a higher removal rate is specified in the applicable Executive Order. [District Rule 4622, 5.12] Federally Enforceable Through Title V Permit
27. Verification must be provided that the certified Phase II vapor recovery system shall meet or exceed the requirements of the tests required of this Permit to Operate. These test results shall be dated and shall contain the names, addresses, and telephone numbers of the companies responsible for system installation and testing. [District Rule 4622, 6.1.3] Federally Enforceable Through Title V Permit

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

28. A person who performs repairs on any certified Phase I or Phase II vapor recovery system shall provide to the operator a repair log, which the operator shall maintain on the premises and which shall include all of the following; 1) Date and time of each repair. 2) The name of the person(s) who performed the repair, and, if applicable, the name, address and phone number of the person's employer. 3) Description of service performed. 4) Each component that was repaired, serviced, or removed. 5) Each component that was installed as replacement, if applicable. 6) Receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622, 6.1.4] Federally Enforceable Through Title V Permit
29. An operator shall comply with the following certified Phase II vapor recovery system performance verification requirements. 1) The operator shall conduct a Static Leak Test of the certified Phase II vapor recovery system at least once every twelve months. 2) The operator shall conduct a Dynamic Back-Pressure Test of the certified Phase II vapor recovery system at least once every twelve months. 3) For certified Phase II vapor recovery systems with bellows-less nozzles, the operator shall conduct an Air-to-Liquid Volume Ratio Test at least once every six months. 4) For certified Phase II vapor recovery systems with a liquid removal device required by ARB Executive Orders, the operator shall conduct a Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid. The amount of liquid in the vapor path shall be determined by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. [District Rule 4622, 6.2.1] Federally Enforceable Through Title V Permit
30. The operator shall require that the person responsible for the Phase II vapor recovery system performance tests shall use calibrated equipment meeting the calibration range and calibration intervals specified by the manufacturer. This person shall also have completed a District-approved training program or the District's orientation class for testing and any subsequent required refresher class(es). [District Rule 4622, 6.2.2 and 6.2.3] Federally Enforceable Through Title V Permit
31. The operator shall notify the District at least 15 days prior to any compliance testing required of this PTO. [District Rule 4622, 6.2.4] Federally Enforceable Through Title V Permit
32. Each certified Phase II vapor recovery system shall be tested within 60 days of completion of installation or major modification. [District Rule 4622, 6.2.5] Federally Enforceable Through Title V Permit
33. All tests shall be conducted in accordance with the latest version of the following ARB approved test methods, or their equivalents as approved by the U.S. Environmental Protection Agency (EPA), ARB, and the APCO; 1) Static Leak Test for Aboveground Tanks, ARB TP-201.3B. 2) Dynamic Back-Pressure Test, ARB TP-201.4. 3) Air-to-Liquid Volume Ratio Test, ARB TP-201.5. 4) Liquid Removal Test, ARB TP-201.6 [District Rule 4622, 6.3.1] Federally Enforceable Through Title V Permit
34. For those vapor recovery systems whose ARB Executive Orders specify different tests to be performed instead of, or in addition to, the referenced test methods, or which, by their design, preclude the use of the referenced test methods, shall be tested in accordance with the test procedures specified in the applicable ARB Executive Orders or their equivalents as approved by the APCO, ARB, and EPA. [District Rule 4622, 6.3.2] Federally Enforceable Through Title V Permit
35. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: SJVUAPCD Rules 4621 (as amended December 12, 2007). A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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-811-18-5

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

36 MMBTU/HR JOHN ZINK MODEL ZTOF DIGESTER GAS FIRED EMERGENCY FLARE

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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The NOx emission concentration shall not exceed 0.06 lb/mmbtu of heat input. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The CO emission concentration shall not exceed 0.3 lb/mmbtu of heat input. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The VOC emission concentration shall not exceed 0.03 lb/mmbtu of heat input. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The SOx emission concentration shall not exceed 0.08 lb/mmbtu of heat input. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The PM10 emission concentration shall not exceed 0.02 lb/mmbtu of heat input. [District NSR Rule] Federally Enforceable Through Title V Permit
8. Operation of the flare for maintenance and testing purposes shall not exceed 200 hours per year. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Operation of the flare, for other than maintenance purposes, shall be limited to emergency use. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The flare shall utilize a natural gas or LPG fired pilot. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The flare shall operate with smokeless combustion. [District NSR Rule] Federally Enforceable Through Title V Permit
12. The flame shall be present at all times when combustible gases are vented through the flare. [District Rule 4311, 5.2] Federally Enforceable Through Title V Permit
13. The outlet shall be equipped with an automatic ignition system, or shall operate with a pilot flame present at all times when combustible gases are vented through the flare, except during purge periods for automatic-ignition equipped flares. [District Rule 4311, 5.3] Federally Enforceable Through Title V Permit
14. Except for flares equipped with a flow-sensing ignition system, a heat sensing device such as a thermocouple, ultraviolet beam sensor, infrared sensor, or an equivalent device, capable of continuously detecting at least one pilot flame or the flare flame is present shall be installed and operated. [District Rule 4311, 5.4] 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.

15. Flares that use flow-sensing automatic ignition systems and which do not use a continuous flame pilot shall use purge gas for purging. [District Rule 4311, 5.5] Federally Enforceable Through Title V Permit
16. Flaring is prohibited unless it is consistent with an approved flare minimization plan (FMP), pursuant to Section 6.5, and all commitments listed in that plan have been met. This standard does not apply if the APCO determines that the flaring is caused by an emergency as defined by Section 3.7 and is necessary to prevent an accident, hazard or release of vent gas directly to the atmosphere. [District Rule 4311] Federally Enforceable Through Title V Permit
17. Every five years after the initial FMP submittal, the operator shall submit an updated FMP for each flare to the APCO for approval. The current FMP shall remain in effect until the updated FMP is approved by the APCO. If the operator fails to submit an updated FMP as required by this section, the existing FMP shall no longer be considered an approved plan. [District Rule 4311] Federally Enforceable Through Title V Permit
18. An updated FMP shall be submitted by the operator pursuant to Section 6.5 addressing new or modified equipment, prior to installing the equipment. Updated FMP submittals are only required if: (1) The equipment change would require an authority to construct (ATC) and would impact the emissions from the flare, and (2) The ATC is deemed complete after June 18, 2009, and (3) The modification is not solely the removal or decommissioning of equipment that is listed in the FMP, and has no associated increase in flare emissions. [District Rule 4311] Federally Enforceable Through Title V Permit
19. The operator of a flare subject to flare minimization plans pursuant to Section 5.8 of this rule shall notify the APCO of an unplanned flaring event within 24 hours after the start of the next business day or within 24 hours of their discovery, whichever ever occurs first. The notification shall include the flare source identification, the start date and time, and the end date and time. [District Rule 4311] Federally Enforceable Through Title V Permit
20. The operator of a flare subject to flare minimization plans pursuant to Section 5.8 shall submit an annual report to the APCO that summarizes all Reportable Flaring Events as defined in Section 3.0 that occurred during the previous 12 month period. The report shall be submitted within 30 days following the end of the twelve month period of the previous year. The report shall include, but is not limited to all of the following: the results of an investigation to determine the primary cause and contributing factors of the flaring event; any prevention measures considered or implemented to prevent recurrence together with a justification for rejecting any measures that were considered but not implemented; if appropriate, an explanation of why the flaring was an emergency and necessary to prevent accident, hazard or release of vent gas to the atmosphere, or where, due to a regulatory mandate to vent a flare, it cannot be recovered, treated and used as a fuel gas at the facility; and the date, time, and duration of the flaring event. [District Rule 4311] Federally Enforceable Through Title V Permit
21. The operator of a flare subject to flare monitoring requirements pursuant to Section 5.10 shall submit an annual report to the APCO within 30 days following the end of each 12 month period. The report shall include the following: the total volumetric flow of vent gas in standard cubic feet for each day; if the flow monitor used pursuant to Section 5.10 measures molecular weight, the average molecular weight for each hour of each month; a flow verification report which shall include flow verification testing pursuant to Section 6.3.5. [District Rule 4311] Federally Enforceable Through Title V Permit
22. For purposes of the flow verification report required by Section 6.2.3.8, vent gas flow shall be determined using one or more of the following methods, or by any alternative method approved by the APCO, ARB, and EPA: EPA Methods 1 and 2; a verification method recommended by the manufacturer of the flow monitoring equipment installed pursuant to Section 5.10; tracer gas dilution or velocity; other flow monitors or process monitors that can provide comparison data on a vent stream that is being directed past the ultrasonic flow meter. [District Rule 4311] Federally Enforceable Through Title V Permit
23. The permittee shall monitor and record the vent gas flow to the flare with a flow measuring device or other parameters as specified in the Permit to Operate. [District Rule 4311] Federally Enforceable Through Title V Permit
24. Records of the annual hours of emergency and non-emergency operation, and the nature of the emergency situation shall be kept. [District Rule 2201] Federally Enforceable Through Title V Permit
25. Permittee shall maintain the following records: a copy of the source testing result conducted pursuant to Section 6.4.2; a copy of the approved flare minimization plan pursuant to Section 6.5; a copy of annual reports submitted to the APCO pursuant to Section 6.2. [District Rule 4311] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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26. Permittee shall maintain records of the following when the flare is used during an emergency: duration of flare operation, amount of gas burned, and the nature of the emergency situation. The records shall be kept separately for each emergency episode. [District Rule 4311] Federally Enforceable Through Title V Permit
27. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 1070, 2201 and 4311] 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-811-19-7

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

193 HP JOHN DEERE MODEL #6466A DIESEL-FIRED LOW-USE IC ENGINE WITH A TURBOCHARGER AND AFTERCOOLER POWERING A SLUDGE DREDGE

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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801 and San Joaquin County Rule 407 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. The engine shall not be operated more than 20 hours during any one calendar year. [District Rules 4701, 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rules 4701, 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. 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
7. The permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. The permittee shall maintain a record of the cumulative annual hours of operation and of the type of fuel used. The record shall be updated each time the engine is operated. Records shall include the number of hours of operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: dredging, maintenance testing, 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 Rule 4701, 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. All records shall be maintained for a period of at least 5 years and shall be made available to the District, EPA or CARB upon request. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
10. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201 and San Joaquin County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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-811-21-6

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

1,408 HP WAUKESHA MODEL L7042GLD DIGESTER GAS/NATURAL GAS-FIRED LEAN BURN PRECOMBUSTION CHAMBER TYPE IC ENGINE WITH SILOXANE SCRUBBER POWERING AN ELECTRICAL GENERATOR (DUAL SILOXANE FILTER SYSTEM (SCRUBBER) USED TO SCRUB THE DIGESTER GAS PRIOR TO COMBUSTION IN ENGINES N-811-21-2, -22-2, & -23-2)

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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine monthly fuel usage. [District Rule 4702] Federally Enforceable Through Title V Permit
4. The engine shall be operated and maintained in accordance with manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
5. The NOx emissions shall not exceed 65 ppmv @ 15% O2. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
6. The CO emissions shall not exceed 2.65 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4701] Federally Enforceable Through Title V Permit
7. The VOC emissions shall not exceed 0.75 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
8. The SOx emissions shall not exceed 0.036 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The PM10 emissions shall not exceed 0.1 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The fuel sulfur content shall not exceed 5 grains of total sulfur per 100 standard cubic feet. [District Rule 4702] Federally Enforceable Through Title V Permit
11. Source testing to demonstrate compliance with the NOx, CO, VOC, SOx and PM10 limits of this permit shall be conducted at least once every 24 months. [District NSR Rule, 4701, and 4702] 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. The fuel sulfur content shall be determined on an annual basis utilizing EPA Method 11 or EPA Method 15 as appropriate. Records of the fuel analyses shall be kept and provided to the District upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
13. Source testing shall be conducted using the methods and procedures approved by the District. 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. [District Rule 1081] Federally Enforceable Through Title V Permit
14. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
15. Sampling facilities for source testing shall be provided in accordance with the provisions of District Rule 1081 (as amended 12/16/93). [District Rule 1081] Federally Enforceable Through Title V Permit
16. Source testing for NOx shall be conducted utilizing CARB method 100 or EPA method 7E. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
17. Source testing for CO shall be conducted utilizing CARB method 100 or EPA method 10. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
18. Source testing for VOC emission concentration shall be conducted utilizing EPA method 25 or EPA method 18, referenced as methane. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
19. Source testing for SOx shall be conducted utilizing EPA method 8 and ARB method 100. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
20. Source testing for PM10 emissions shall be conducted utilizing CARB method 501 in conjunction with CARB method 5, EPA methods 201 and 202 or EPA methods 201A and 202. If the facility agrees that the PM10 emissions are equal to the total particulate matter emissions then source testing for PM10 may be conducted utilizing CARB method 5 including the back half or CARB method 17 including the back half. [District NSR Rule] Federally Enforceable Through Title V Permit
21. The permittee shall monitor the hydrogen sulfide influent concentration on a daily basis with the use of a Draeger tube or District approved equivalent method. [District NSR Rule] Federally Enforceable Through Title V Permit
22. The permittee shall monitor and record the stack concentration of NOx at least once every calendar quarter (in which a source test is not performed) using a portable emission monitor that meets District specifications. All emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
23. The permittee shall monitor and record the stack concentration of O2 at least once every month using a portable emissions monitor that meets District specifications. [In-stack O2 monitors may be allowed if approved by the APCO]. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 1 day of restarting the engine unless monitoring has been performed within the last month. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
24. The exhaust gas O2 concentration shall be maintained between 8.83 to 9.20 % O2 for digester gas and between 9.55% to 9.89% for natural gas. [District Rules 4701 and 4702] 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. If the concentration, as measured by the portable analyzer, is outside the permitted range, the permittee shall return the O₂ to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue outside the permitted range after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within the 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
26. The motor oil and the motor oil filter shall be changed at least every 2,160 hours of operation or annually, whichever comes first. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
27. The spark plugs shall be inspected at least every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
28. All belts and hoses shall be inspected at least once every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
29. The facility operator shall reevaluate the the Remote Stationary RICE status of this unit at least once every 12 months. If the evaluation shows that the unit no longer meets the definition of Remote Stationary Rice in this subpart, the operator shall comply with all of the requirements that apply to this unit within 1 year of the evaluation [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
30. The facility operator shall keep records of the initial and annual evaluation of the Remote Stationary RICE status of the engine. [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
31. The permittee shall maintain records of: (1) the date and time of O₂ and NO_x measurements, (2) the O₂ and NO_x concentration in percent, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions limits with the acceptable range. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
32. Records of the quantity and type of fuel burned, in BTUs, the influent hydrogen sulfide concentration, and of the annual SO_x emissions shall be kept. [District NSR Rule] Federally Enforceable Through Title V Permit
33. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(3)] Federally Enforceable Through Title V Permit
34. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2 and 4702] 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-811-22-6

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

1,408 HP WAUKESHA MODEL L7042GLD DIGESTER GAS/NATURAL GAS-FIRED LEAN BURN PRECOMBUSTION CHAMBER TYPE IC ENGINE WITH SILOXANE SCRUBBER POWERING AN ELECTRICAL GENERATOR (DUAL SILOXANE FILTER SYSTEM (SCRUBBER) USED TO SCRUB THE DIGESTER GAS PRIOR TO COMBUSTION IN ENGINES N-811-21-2, -22-2, & -23-2).

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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine monthly fuel usage. [District Rule 4702] Federally Enforceable Through Title V Permit
4. The engine shall be operated and maintained in accordance with manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
5. The NOx emissions shall not exceed 65 ppmv @ 15% O2. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
6. The CO emissions shall not exceed 2.65 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4701] Federally Enforceable Through Title V Permit
7. The VOC emissions shall not exceed 0.75 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
8. The SOx emissions shall not exceed 0.036 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The PM10 emissions shall not exceed 0.1 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The fuel sulfur content shall not exceed 5 grains of total sulfur per 100 standard cubic feet. [District Rule 4702] Federally Enforceable Through Title V Permit
11. Source testing to demonstrate compliance with the NOx, CO, VOC, SOx and PM10 limits of this permit shall be conducted at least once every 24 months. [District NSR Rule, 4701, and 4702] 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. The fuel sulfur content shall be determined on an annual basis utilizing EPA Method 11 or EPA Method 15 as appropriate. Records of the fuel analyses shall be kept and provided to the District upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
13. Source testing shall be conducted using the methods and procedures approved by the District. 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. [District Rule 1081] Federally Enforceable Through Title V Permit
14. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
15. Sampling facilities for source testing shall be provided in accordance with the provisions of District Rule 1081 (as amended 12/16/93). [District Rule 1081] Federally Enforceable Through Title V Permit
16. Source testing for NOx shall be conducted utilizing CARB method 100 or EPA method 7E. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
17. Source testing for CO shall be conducted utilizing CARB method 100 or EPA method 10. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
18. Source testing for VOC emission concentration shall be conducted utilizing EPA method 25 or EPA method 18, referenced as methane. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
19. Source testing for SOx shall be conducted utilizing EPA method 8 and ARB method 100. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
20. Source testing for PM10 emissions shall be conducted utilizing CARB method 501 in conjunction with CARB method 5, EPA methods 201 and 202 or EPA methods 201A and 202. If the facility agrees that the PM10 emissions are equal to the total particulate matter emissions then source testing for PM10 may be conducted utilizing CARB method 5 including the back half or CARB method 17 including the back half. [District NSR Rule] Federally Enforceable Through Title V Permit
21. The permittee shall monitor the hydrogen sulfide influent concentration on a daily basis with the use of a Draeger tube or District approved equivalent method. [District NSR Rule] Federally Enforceable Through Title V Permit
22. The permittee shall monitor and record the stack concentration of NOx at least once every calendar quarter (in which a source test is not performed) using a portable emission monitor that meets District specifications. All emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
23. The permittee shall monitor and record the stack concentration of O2 at least once every month using a portable emissions monitor that meets District specifications. [In-stack O2 monitors may be allowed if approved by the APCO]. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 1 day of restarting the engine unless monitoring has been performed within the last month. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
24. The exhaust gas O2 concentration shall be maintained between 8.83 to 9.20 % O2 for digester gas and between 9.55% to 9.89% for natural gas. [District Rules 4701 and 4702] 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. If the concentration, as measured by the portable analyzer, is outside the permitted range, the permittee shall return the O₂ to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue outside the permitted range after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within the 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
26. The motor oil and the motor oil filter shall be changed at least every 2,160 hours of operation or annually, whichever comes first. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
27. The spark plugs shall be inspected at least every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
28. All belts and hoses shall be inspected at least once every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
29. The facility operator shall reevaluate the the Remote Stationary RICE status of this unit at least once every 12 months. If the evaluation shows that the unit no longer meets the definition of Remote Stationary Rice in this subpart, the operator shall comply with all of the requirements that apply to this unit within 1 year of the evaluation [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
30. The facility operator shall keep records of the initial and annual evaluation of the Remote Stationary RICE status of the engine. [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
31. The permittee shall maintain records of: (1) the date and time of O₂ and NO_x measurements, (2) the O₂ and NO_x concentration in percent, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions limits with the acceptable range. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
32. Records of the quantity and type of fuel burned, in BTUs, the influent hydrogen sulfide concentration, and of the annual SO_x emissions shall be kept. [District NSR Rule] Federally Enforceable Through Title V Permit
33. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(3)] Federally Enforceable Through Title V Permit
34. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2 and 4702] 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-811-23-7

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

1,408 HP WAUKESHA MODEL L7042GLD DIGESTER GAS/NATURAL GAS-FIRED LEAN BURN PRECOMBUSTION CHAMBER TYPE IC ENGINE WITH SILOXANE SCRUBBER POWERING AN ELECTRICAL GENERATOR (DUAL SILOXANE FILTER SYSTEM (SCRUBBER) USED TO SCRUB THE DIGESTER GAS PRIOR TO COMBUSTION IN ENGINES N-811-21, -22, & -23).

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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine monthly fuel usage. [District Rule 4702] Federally Enforceable Through Title V Permit
4. The engine shall be operated and maintained in accordance with manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
5. The NOx emissions shall not exceed 65 ppmv @ 15% O2. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
6. The CO emissions shall not exceed 2.65 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4701] Federally Enforceable Through Title V Permit
7. The VOC emissions shall not exceed 0.75 grams/bhp-hr. [District NSR Rule and District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
8. The SOx emissions shall not exceed 0.036 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The PM10 emissions shall not exceed 0.1 grams/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The fuel sulfur content shall not exceed 5 grains of total sulfur per 100 standard cubic feet. [District Rule 4702] Federally Enforceable Through Title V Permit
11. Source testing to demonstrate compliance with the NOx, CO, VOC, SOx and PM10 limits of this permit shall be conducted at least once every 24 months. [District NSR Rule, 4701, and 4702] 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. The fuel sulfur content shall be determined on an annual basis utilizing EPA Method 11 or EPA Method 15 as appropriate. Records of the fuel analyses shall be kept and provided to the District upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
13. Source testing shall be conducted using the methods and procedures approved by the District. 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. [District Rule 1081] Federally Enforceable Through Title V Permit
14. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
15. Sampling facilities for source testing shall be provided in accordance with the provisions of District Rule 1081 (as amended 12/16/93). [District Rule 1081] Federally Enforceable Through Title V Permit
16. Source testing for NOx shall be conducted utilizing CARB method 100 or EPA method 7E. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
17. Source testing for CO shall be conducted utilizing CARB method 100 or EPA method 10. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
18. Source testing for VOC emission concentration shall be conducted utilizing EPA method 25 or EPA method 18, referenced as methane. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
19. Source testing for SOx shall be conducted utilizing EPA method 8 and ARB method 100. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
20. Source testing for PM10 emissions shall be conducted utilizing CARB method 501 in conjunction with CARB method 5, EPA methods 201 and 202 or EPA methods 201A and 202. If the facility agrees that the PM10 emissions are equal to the total particulate matter emissions then source testing for PM10 may be conducted utilizing CARB method 5 including the back half or CARB method 17 including the back half. [District NSR Rule] Federally Enforceable Through Title V Permit
21. The permittee shall monitor the hydrogen sulfide influent concentration on a daily basis with the use of a Draeger tube or District approved equivalent method. [District NSR Rule] Federally Enforceable Through Title V Permit
22. The permittee shall monitor and record the stack concentration of NOx at least once every calendar quarter (in which a source test is not performed) using a portable emission monitor that meets District specifications. All emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
23. The permittee shall monitor and record the stack concentration of O2 at least once every month using a portable emissions monitor that meets District specifications. [In-stack O2 monitors may be allowed if approved by the APCO]. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 1 day of restarting the engine unless monitoring has been performed within the last month. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
24. The exhaust gas O2 concentration shall be maintained between 8.83 to 9.20 % O2 for digester gas and between 9.55% to 9.89% for natural gas. [District Rules 4701 and 4702] 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. If the concentration, as measured by the portable analyzer, is outside the permitted range, the permittee shall return the O₂ to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue outside the permitted range after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within the 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
26. The motor oil and the motor oil filter shall be changed at least every 2,160 hours of operation or annually, whichever comes first. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
27. The spark plugs shall be inspected at least every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
28. All belts and hoses shall be inspected at least once every 2,160 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
29. The facility operator shall reevaluate the Remote Stationary RICE status of this unit at least once every 12 months. If the evaluation shows that the unit no longer meets the definition of Remote Stationary Rice in this subpart, the operator shall comply with all of the requirements that apply to this unit within 1 year of the evaluation [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
30. The facility operator shall keep records of the initial and annual evaluation of the Remote Stationary RICE status of the engine. [40 CFR Part 63.6603(f)] Federally Enforceable Through Title V Permit
31. The permittee shall maintain records of: (1) the date and time of O₂ and NO_x measurements, (2) the O₂ and NO_x concentration in percent, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions limits with the acceptable range. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
32. Records of the quantity and type of fuel burned, in BTUs, the influent hydrogen sulfide concentration, and of the annual SO_x emissions shall be kept. [District NSR Rule] Federally Enforceable Through Title V Permit
33. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(3)] Federally Enforceable Through Title V Permit
34. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2 and 4702] 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-811-25-3

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

2,550 HP DETROIT DIESEL MODEL T1637K16 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING A 1750 KW 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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] 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, 17 CCR 93115 and 40 CFR Part 63.6625(f)] Federally Enforceable Through Title V Permit
5. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
6. Emissions from this IC engine shall not exceed any of the following limits: 6.2 g-NOx/bhp-hr, 0.34 g-CO/bhp-hr, or 0.33 g-VOC/bhp-hr. [District NSR Rule, 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.09 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District NSR Rule, Rule 4102 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District NSR Rule, 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. The engine shall be operated and maintained in accordance with manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 4701 and 4702, 17 CCR 93115 and 40 CFR Part 63.6640(f)] 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.

11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
13. During periods of operation for 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: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
14. The motor oil and the oil filter shall be changed at least every 500 hours of operation or annually, whichever comes first. Sources have the option to utilize an oil analysis program as described in § 63.6625(i) or (j) in order to extend the specified oil change requirement specified in Table 2d of this subpart. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
15. The air cleaner shall be inspected at least every 1,000 hours of operation or annually, whichever comes first. The air filter shall be replaced as necessary. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [District Rule 40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
16. All belts and hoses shall be inspected at least once every 500 hours of operation or annually, whichever comes first. The belts and hoses shall be replaced as necessary. If this deadline passes while the unit is operating for an emergency, the maintenance or inspection may be delayed until the emergency is over. [District Rule 40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit
17. The permittee shall maintain monthly records of emergency and non-emergency operation and of the type of fuel used. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, 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 4701 and 4702, 17 CCR 93115 and 40 CFR Part 63.6655(f)] Federally Enforceable Through Title V Permit
18. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(2)] Federally Enforceable Through Title V Permit
19. All records shall be maintained for a period of at least 5 years and shall be made available to the District, EPA or CARB upon request. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201(amended 12/17/92), and San Joaquin County Rule 407. A permit shield is granted from these requirements. [District Rule 2520, 13.2] 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-811-26-3

EXPIRATION DATE: 11/30/2018

EQUIPMENT DESCRIPTION:

HEADWORKS FACILITY WITH EMISSIONS CONTROLLED BY TWO CUSTOM HARRINGTON ENVIRONMENTAL ENGINEERING BIOSCRUBBERS (55,000 CFM COMBINED RATING)

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. [District Rule 4801 and San Joaquin County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 gr/dscf in concentration at the point of discharge. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Volatile Organic Compound (VOC) emissions, from each biofilter controlling the headworks, shall not exceed 2,657 ppbv (as CH₄). [District NSR Rule] Federally Enforceable Through Title V Permit
4. Sulfur Compound emissions (including Hydrogen Sulfide emissions), from each biofilter controlling the headworks, shall not exceed 708 ppbv (as SO₂). [District NSR Rule] Federally Enforceable Through Title V Permit
5. Ammonia emissions, from each biofilter controlling the headworks, shall not exceed 1 ppmv. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Hydrogen Sulfide emissions, from each biofilter controlling the headworks, shall not exceed 524 ppbv (as SO₂). [District NSR Rule and 40 CFR 64] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the hydrogen sulfide effluent concentration at the exit of each biofilter on a daily basis. The hydrogen sulfide concentration shall be determined via the use of a portable analyzer, Draeger tube, or District approved equivalent method. [District NSR Rule and 40 CFR 64] Federally Enforceable Through Title V Permit
8. The permittee shall maintain a daily record of the hydrogen sulfide effluent concentration at each biofilters exhaust. [District Rule 2520, 9.3.2 and 40 CFR 64] Federally Enforceable Through Title V Permit
9. The permittee shall monitor the VOC concentration at the exit of each biofilter on a quarterly basis. The VOC concentration shall be determined via the use of a portable analyzer or District approved equivalent method. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. This unit shall be tested for compliance with the Ammonia (NH₃) emissions limit at least once every 12 months. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Ammonia (NH₃) emissions for source test purposes shall be determined using BAAQMD ST-1B or District approved equivalent method. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
13. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] 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.

14. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

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