



SEP 15 2015

Mr. Ralph Braboy
Bakersfield City Wastewater #3
6901 McCutcheon Rd.
Bakersfield, CA 93313-9352

**Re: Final - Authority to Construct / Certificate of Conformity (Significant Mod)
District Facility # S-3103
Project # 1144289**

Dear Mr. Braboy:

The Air Pollution Control Officer has issued Authorities to Construct (S-3103-19-3, '20-3 and '28-2) with Certificates of Conformity to Bakersfield City Wastewater #3 at 8101 Ashe Road in Bakersfield. The application is to increase a flare's operating hours. Enclosed are the Authorities to Construct and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permit was published on 8/10/15. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on 8/5/15. No comments were received following the District's preliminary decision on this project.

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

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,

A handwritten signature in cursive script, appearing to read "Arnaud Marjollet". The signature is written in black ink and is positioned above a horizontal line.

Arnaud Marjollet
Director of Permit Services

AM:dt/ya

Enclosures

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



AUTHORITY TO CONSTRUCT

PERMIT NO: S-3103-19-3

ISSUANCE DATE: 09/11/2015

LEGAL OWNER OR OPERATOR: BAKERSFIELD CITY WASTEWATER #3

MAILING ADDRESS: 6901 MCCUTCHEN RD.
BAKERSFIELD, CA 93313

LOCATION: 6901 MCCUTCHEN ROAD
BAKERSFIELD, CA 93313

EQUIPMENT DESCRIPTION:

MODIFICATION OF 1,175 BHP JENBACHER MODEL JMS316 DIGESTER GAS-FIRED IC ENGINE COGENERATION SYSTEM WITH TURBOCHARGER AND AIR TO FUEL RATIO CONTROLLER AND SULFATREAT FUEL GAS DRY SULFUR SCRUBBING SYSTEM SHARED WITH UNITS S-3103-13, '-14, '-15, '-16, '-17, '-18, '-20, AND '-28: REVISE SPECIFIC LIMITING CONDITION (SLC) PLAN FOR UNITS S-3103-19, '20, AND '28

CONDITIONS

1. ATCs S-3103-19-3, '20-3 and '28-2 shall be implemented concurrently. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Sayed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

S-3103-19-3 - Sep 11 2015 2:58PM - TORID : Joint Inspection NOT Required

7. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
8. Total annual operating hours of digester gas fired cogeneration engines S-3103-19 and '-20 shall not exceed 17,196 hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Engine shall operate according to the manufacturer's specifications. [District Rule 4701] Federally Enforceable Through Title V Permit
10. Total sulfur content of digester gas combusted in this unit shall not exceed 20 ppmvd. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emission rates shall not exceed any of the following: NOx (as NO₂): 0.6 g/bhp-hr, PM₁₀: 0.04 g/bhp-hr, CO: 2.5 g/bhp-hr, or VOC (as methane): 0.25 g/bhp-hr. [District Rules 2201 and 4702] Federally Enforceable Through Title V Permit
12. Combined annual emissions from permit units S-3103-19, '-20 and '-28 shall not exceed any one of the following: 26,726 lb-NO_x/yr; 867 lb-SO_x/yr; 2,991 lb-PM₁₀/yr; 111,360 lb-CO/yr; 11,136 lb-VOC/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702] Federally Enforceable Through Title V Permit
14. If either the NO_x or CO concentrations corrected to 15% O₂, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 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 Rule 4702] Federally Enforceable Through Title V Permit
15. All alternate monitoring parameter 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 Rule 4702] Federally Enforceable Through Title V Permit
16. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 15% O₂, (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 within the acceptable range. [District Rule 4702] Federally Enforceable Through Title V Permit
17. Source testing to measure NO_x, CO, and VOC emissions from this unit while firing digester gas shall be conducted not less than once every 24 months. [District Rule 4702] Federally Enforceable Through Title V Permit
18. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702] Federally Enforceable Through Title V Permit
19. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO_x, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. The following test methods shall be used: NO_x (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 18, 25A or 25B, or ARB Method 100. [District Rules 1081 and 4702] Federally Enforceable Through Title V Permit
21. 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
22. 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
23. The permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
24. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702] Federally Enforceable Through Title V Permit
25. All vessel hatches and openings shall remain closed during operation of SulfaTreat H₂S scrubber. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
26. No components (i.e., valves, flanges, etc.) associated with the SulfaTreat unit shall be the source of any leak greater than 10,000 ppmv (as methane) when measured at a distance no greater than 1 cm from the potential source per EPA Method 21. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Influent and effluent gas streams of SulfaTreat system shall be sampled at least monthly for H₂S content of effluent gas to determine when recharging is required. [District Rule 2201] Federally Enforceable Through Title V Permit
28. During recharging of the H₂S scrubber, untreated vapors shall not be introduced into the fuel system or vented to the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
29. The following test method shall be used for fuel gas sulfur content - ASTM D3246 or double GC for H₂S and mercaptans. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Record of H₂S content of effluent gas shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
31. The permittee shall maintain all necessary records in order to show compliance with the annual shared emission limit from permit units S-3103-19, '-20 and '-28. [District Rule 2201] Federally Enforceable Through Title V Permit
32. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: S-3103-20-3

ISSUANCE DATE: 09/11/2015

LEGAL OWNER OR OPERATOR: BAKERSFIELD CITY WASTEWATER #3
MAILING ADDRESS: 6901 MCCUTCHEN RD.
BAKERSFIELD, CA 93313

LOCATION: 6901 MCCUTCHEN ROAD
BAKERSFIELD, CA 93313

EQUIPMENT DESCRIPTION:

MODIFICATION OF 1,175 BHP JENBACHER MODEL JMS316 DIGESTER GAS-FIRED IC ENGINE COGENERATION SYSTEM WITH TURBOCHARGER AND AIR TO FUEL RATIO CONTROLLER: REVISE SPECIFIC LIMITING CONDITION (SLC) PLAN FOR UNITS S-3103-19, '-20, AND '28

CONDITIONS

1. ATCs S-3103-19-3, '20-3 and '28-2 shall be implemented concurrently. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
7. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

Renaud Marjollet, Director of Permit Services

S-3103-20-3 - Sep 11 2015 2:58PM -- TORID : Joint Inspection NOT Required

8. Total annual operating hours of digester gas fired cogeneration engines S-3103-19 and '-20 shall not exceed 17,196 hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Engine shall operate according to the manufacturer's specifications. [District Rule 4701] Federally Enforceable Through Title V Permit
10. Total sulfur content of digester gas combusted in this unit shall not exceed 20 ppmvd. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emission rates shall not exceed any of the following: NOx (as NO₂): 0.6 g/bhp-hr, PM₁₀: 0.04 g/bhp-hr, CO: 2.5 g/bhp-hr, or VOC (as methane): 0.25 g/bhp-hr. [District Rules 2201 and 4702] Federally Enforceable Through Title V Permit
12. Combined annual emissions from permit units S-3103-19, '-20 and '-28 shall not exceed any one of the following: 26,726 lb-NOx/yr; 867 lb-SOx/yr; 2,991 lb-PM₁₀/yr; 111,360 lb-CO/yr; 11,136 lb-VOC/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. 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 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702] Federally Enforceable Through Title V Permit
14. If either the NO_x or CO concentrations corrected to 15% O₂, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 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 Rule 4702] Federally Enforceable Through Title V Permit
15. All alternate monitoring parameter 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 Rule 4702] Federally Enforceable Through Title V Permit
16. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 15% O₂, (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 within the acceptable range. [District Rule 4702] Federally Enforceable Through Title V Permit
17. Source testing to measure NO_x, CO, and VOC emissions from this unit while firing digester gas shall be conducted not less than once every 24 months. [District Rule 4702] Federally Enforceable Through Title V Permit
18. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702] Federally Enforceable Through Title V Permit
19. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO_x, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

20. The following test methods shall be used: NO_x (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 18, 25A or 25B, or ARB Method 100. [District Rules 1081 and 4702] Federally Enforceable Through Title V Permit
21. 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
22. 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
23. The permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
24. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702] Federally Enforceable Through Title V Permit
25. The permittee shall maintain all necessary records in order to show compliance with the annual shared emission limit from permit units S-3103-19, '-20 and '-28. [District Rule 2201] Federally Enforceable Through Title V Permit
26. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: S-3103-28-2

ISSUANCE DATE: 09/11/2015

LEGAL OWNER OR OPERATOR: BAKERSFIELD CITY WASTEWATER #3
MAILING ADDRESS: 6901 MCCUTCHEN RD.
BAKERSFIELD, CA 93313

LOCATION: 6901 MCCUTCHEN ROAD
BAKERSFIELD, CA 93313

EQUIPMENT DESCRIPTION:

MODIFICATION OF 16.5 MMBTU/HR FLARE INDUSTRIES ENCLOSED FLARE: REMOVE CONDITION LIMITING ANNUAL NUMBER OF HOURS OF OPERATION AND REVISE SPECIFIC LIMITING CONDITION (SLC) PLAN FOR UNITS S-3103-19, '20, AND '28

CONDITIONS

1. ATCs S-3103-19-3, '20-3 and '28-2 shall be implemented concurrently. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
3. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
4. Flare shall be equipped with a non-resettable, totalizing flare gas volume flow meter. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
5. Flare 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] Federally Enforceable Through Title V Permit
6. If the flare uses a flow-sensing automatic ignition system and does not use a continuous flame pilot, the flare shall use purge gas for purging. [District Rule 4311] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

S-3103-28-2 : Sep 11 2015 2:58PM - TORID : Joint Inspection NOT Required

7. A flame shall be present at all times when combustible gases are vented through the flare. [District Rule 4311] Federally Enforceable Through Title V Permit
8. The flare's emissions rates shall not exceed any of the following: 0.06 lb-NO_x/MMBtu; 0.006 lb-SO_x (as SO₂)/MMBtu; 0.020 lb-PM₁₀/MMBtu; 0.25 lb-CO/MMBtu; or 0.0020 lb-VOC/MMBtu. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
9. Combined annual emissions from permit units S-3103-19, '-20 and '-28 shall not exceed any one of the following: 26,726 lb-NO_x/yr; 867 lb-SO_x/yr; 2,991 lb-PM₁₀/yr; 111,360 lb-CO/yr; 11,136 lb-VOC/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The flare shall only operate when both engines S-3103-19 and '-20 are shutdown for service or due to mechanical problems. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Hydrogen sulfide (H₂S) content of digester gas combusted shall not exceed 20 ppmv. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Sampling facilities shall be provided to allow for fuel gas sampling at inlet to flare. [District Rule 1081] Federally Enforceable Through Title V Permit
13. Source testing to measure NO_x and VOC emissions from this unit shall be conducted at least once every 12 months. [District Rules 2201 and 4311] Federally Enforceable Through Title V Permit
14. The results of the source test shall be submitted to the District within 45 days thereafter. [District Rules 1081, 2201, 4311] Federally Enforceable Through Title V Permit
15. 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 30 days prior to testing. [District Rules 1081 and 4311] Federally Enforceable Through Title V Permit
16. VOC emissions for source test purposes, measured and calculated as carbon, shall be determined by EPA Method 25, except when the outlet concentration must be below 50 ppm in order to meet the standard, in which case Method 25a may be used, and analysis of halogenated exempt compounds shall be analyzed by EPA Method 18 or ARB Method 422 "Determination of Volatile organic Compounds in Emission from Stationary Sources". [District Rule 4311] Federally Enforceable Through Title V Permit
17. NO_x and O₂ concentrations shall be determined by using EPA Method 3A, EPA Method 7E, or ARB 100 [District Rule 4311] Federally Enforceable Through Title V Permit
18. NO_x emissions for source test purposes, in pounds per million Btu, shall be determined by using EPA Method 19 [District Rule 4311] Federally Enforceable Through Title V Permit
19. Prior to startup under the terms of the Authority to Construct and as required thereafter, the permittee shall submit a flare minimization plan (FMP) that complies with the requirements of Rule 4311 Section 6.5 to the APCO for approval. [District Rule 4311] Federally Enforceable Through Title V Permit
20. A copy of approved flare minimization plan pursuant to Rule 4311 Section 6.5 shall be maintained and made readily available to the APCO, ARB, and EPA upon request for a minimum of 5 years. [District Rule 4311] Federally Enforceable Through Title V Permit
21. Copies of compliance determination pursuant to 40 CFR 60.18 shall be made readily available to the APCO, ARB, and EPA upon request for a minimum of 5 years. [40 CFR 60.18, District Rule 4311] Federally Enforceable Through Title V Permit
22. Copies of monitoring data collected pursuant to Rule 4311 Section 5.10 shall be made readily available to the APCO, ARB, and EPA upon request for a minimum of 5 years. [District Rule 4311] Federally Enforceable Through Title V Permit
23. 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 Rule 4311 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. [District Rule 4311] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

24. The operator of a flare subject to flare monitoring requirements pursuant to Sections 5.10, 6.6, 6.7, 6.8, 6.9, and 6.10, as appropriate, shall submit an annual report to the APCO as specified in Rule 4311 Section 6.2.3 within 30 days following the end of each 12 month period. [District Rule 4311] Federally Enforceable Through Title V Permit
25. Permittee shall maintain records of the time and date of operation, duration of flare operation, amount of gas burned, and the purpose of the operation. [District Rules 1070, 2201, and 4311] Federally Enforceable Through Title V Permit
26. The permittee shall maintain all necessary records in order to show compliance with the annual shared emission limit from permit units S-3103-19, '-20 and '-28. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Permittee shall maintain onsite a copy of the source test results. [District Rule 4311] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit