

JUN 26 2013

Jeffrey Misenhimer
Visalia Wastewater Treatment
7579 Avenue 288
Visalia, CA 93277

**Re: Notice of Final Action - Minor Title V Permit Modification
District Facility # S-984
Project # S-1130470**

Dear Mr. Misenhimer:

The Air Pollution Control Officer has modified the Title V permit for Visalia Wastewater Treatment by incorporating ATC #S-984-5-3. The ATC added a flared gas throughput limit to the permit in order to obtain exemption from annual reporting of reportable flaring events.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on March 14, 2013. No comments were received following the District's preliminary decision on this project.

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

Sincerely,



David Warner
Director of Permit Services

DW:JKA

Enclosures

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

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Executive Director/Air Pollution Control Officer

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

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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-984-5-4

EXPIRATION DATE: 03/31/2017

EQUIPMENT DESCRIPTION:

SEVEN WASTEWATER TREATMENT DIGESTER UNITS WITH ONE 5.0 MMBTU/HR AND ONE 9.9 MMBTU/HR EXCESS METHANE NON-ASSISTED GAS FLARES

PERMIT UNIT REQUIREMENTS

1. Combustion of flare gas shall not exceed the combined design capacity of 357,000 scf per calendar day. [District Rule 4311] Federally Enforceable Through Title V Permit
2. The flame shall be present at all times when combustible gases are vented through the flares. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
3. The flares shall operate with a pilot flame present at all times. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
4. 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 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
5. 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 and 40 CFR 60 Subpart A] 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. Open flares in which the flare gas pressure is less than 5 psig shall be operated in such a manner that meets the provisions of 40 CFR 60.18. [District Rule 4311] Federally Enforceable Through Title V Permit
8. 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] Federally Enforceable Through Title V Permit
9. The flares shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
10. The flares shall have a diameter of 3 inches or greater, have a minimum hydrogen content of 8.0% by volume, and be designed for and operated with an exit velocity less than 122 ft/sec and less than the velocity V_{max} , as determined by the equation specified in paragraph 40 CFR 60.18 (c)(3)(i)(A). [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
11. The actual exit velocity of a flare shall be determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
12. The flares shall be operated with an exit velocity less than 60 ft/sec, except as provided in 40 CFR 60.18 (c)(4)(ii) and (iii). [District Rule 4311 and 40 CFR 60 Subpart A] 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.

13. The flares may be operated with an exit velocity equal to or greater than 60 ft/sec, but less than 400 ft/sec, if the net heating value of the gas being combusted is greater than 1,000 Btu/scf. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
14. The flares may be operated with an exit velocity less than the velocity V_{max} , as determined by the methods specified in 40 CFR 60.18 (f)(5), and less than 400 ft/sec. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
15. Each flare shall operate with no visible emissions, except for periods not to exceed a total of 5 minutes during any two consecutive hours. [40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
16. H₂S content of digester gas flared shall not exceed 200 ppmv. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Air-assisted or steam-assisted flares shall only be used when the net heating value of the gas being combusted is 300 Btu/scf or greater. Non-assisted flares shall only be used when the net heating value of the gas being combusted is 200 Btu/scf or greater. [40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
18. Net heating value of the gas being combusted shall be 200 Btu/scf or greater. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
19. Emission rates from the flares shall not exceed any of the following limits: NO_x (as NO₂) - 0.068 lb/MMBtu; VOC (as methane) - 0.063 lb/MMBtu; CO - 0.370 lb/MMBtu; or PM₁₀ - 0.026 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The net heating value of the gas being combusted by the flare shall be calculated pursuant to 40 CFR 60.18(f)(3) or by using EPA Method 18, ASTM D1946, and ASTM D2382 if published values are not available or cannot be calculated. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
21. Visible emissions monitoring shall be conducted at least annually, using EPA Method 22. [District Rule 4311 and 40 CFR 60 Subpart A] Federally Enforceable Through Title V Permit
22. The operator 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 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
23. Upon request, the operator shall make available to the APCO compliance determination records that demonstrate compliance with the provisions of 40 CFR 60.18(c)(3) through (c)(5). [District Rule 4311] Federally Enforceable Through Title V Permit
24. The operator shall submit an updated flare minimization plan every five years after the initial submittal, or prior to installation of new or modified equipment, pursuant to Section 6.5 of Rule 4311. [District Rule 4311] Federally Enforceable Through Title V Permit
25. The following records shall be maintained, retained on-site for a minimum of five years, and made available to the APCO, ARB, and EPA upon request: a copy of any compliance determination conducted pursuant to Section 6.4.1 of Rule 4311, a copy of the approved flare minimization plan pursuant to Section 6.5 of Rule 4311, and a copy of the annual reports submitted to the APCO pursuant to Section 6.2 of Rule 4311. [District Rule 4311] Federally Enforceable Through Title V Permit
26. The permittee shall maintain, and make available for District inspection, all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 4311] Federally Enforceable Through Title V Permit

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