

NOV 22 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-1132590**

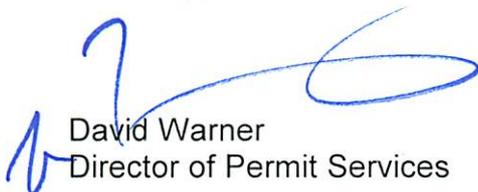
Dear Mr. Misenhimer:

The Air Pollution Control Officer has modified the Title V permit for Visalia Wastewater Treatment by incorporating ATCs S-984-20-0 and 21-0. The ATCs are for two 3.0 MMBtu/hr Fulton model VTG3000LE natural gas and digester gas-fired boilers.

Enclosed is the modified Title V permit. The application and proposal were sent to US EPA Region IX on September 3, 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

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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**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-984-20-1

**EXPIRATION DATE:** 03/31/2017

**EQUIPMENT DESCRIPTION:**

3.0 MMBTU/HR FULTON MODEL VTG3000LE NATURAL GAS AND DIGESTER GAS-FIRED BOILER WITH A BEKAERT LOW NOX BURNER

## PERMIT UNIT REQUIREMENTS

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1. This boiler shall be equipped with a non-resettable fuel-use meter. [District Rule 2201] Federally Enforceable Through Title V Permit
2. 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]
3. Fuel use shall not exceed 30 billion Btus per year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Emissions from this boiler shall not exceed any of the following limits: 0.011 lb-NO<sub>x</sub>/MMBtu (9 ppmv-NO<sub>x</sub> @ 3% O<sub>2</sub>), 0.048 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.08 lb CO/MMBtu (100 ppmv @ 3% O<sub>2</sub>), or 0.0042 lb-VOC/MMBtu (10 ppmv @ 3% O<sub>2</sub>). [District Rule 2201] Federally Enforceable Through Title V Permit
5. The sulfur content of the digester gas shall not exceed 200 ppmv (as H<sub>2</sub>S). [District Rule 2201] 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. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4307] Federally Enforceable Through Title V Permit
8. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, 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 4307] Federally Enforceable Through Title V Permit
9. 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 4307] 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 permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (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 4307] Federally Enforceable Through Title V Permit
11. The permittee shall monitor and record any operational characteristics as recommended by the manufacturer. [District Rule 4307] Federally Enforceable Through Title V Permit
12. Records of annual fuel-use shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Records of all digester gas sulfur content tests shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
14. All records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201] 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:** S-984-21-1

**EXPIRATION DATE:** 03/31/2017

**EQUIPMENT DESCRIPTION:**

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7. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> 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 unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4307] Federally Enforceable Through Title V Permit
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