



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

PERMIT TO OPERATE

C010756

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: OCTOBER 2025

OWNER OF OPERATOR (Co. #453)

Victor Valley Wastewater Reclamation Authority
20111 Shay Road
Victorville, CA 92394

EQUIPMENT LOCATION (Fac. #1124)

VVWRA - 20111 Shay
20111 Shay Road
Victorville, CA 92394

Description:

FLARE, DIGESTER GAS (#2) consisting of: Varec Biogas 244W series waste gas burner; burner size 8", Pressure drop 0.5" W.C.; Process rate 88,150 cubic feet per hour

EQUIPMENT

Capacity	Equipment Description
0	Emission Factors (AP-42 Chapter 13.5 Table 13.5-1)
0	NOX - 0.068 lbs/MM BTU
0	CO - 0.37 lbs/MM BTU
0	TOG - 0.14 lbs/MM BTU
0	SOx - 0.52 lbs/MM BTU

CONDITIONS:

1. This flare shall be operated and maintained in strict accord with the manufacturer's and/or supplier's recommended procedures and sound engineering principles and in compliance with federal, state, regional and local waste water discharge permits. [District Rules 204 and 1302]

2. This flare shall only burn digester gas produced at this treatment plant.

Fee Schedule: 7 (h) Rating: 1 device SIC: 4952 SCC: 50100789 Location/UTM(Km): 467E/3831N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

Victor Valley Wastewater Reclamation
Authority
20111 Shay Road
Victorville, CA 92394

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

[District Rules 431, 1302 and 1320]

3. An operations log shall be maintained on-site for at least five (5) years and be made available to MDAQMD personnel on request.

This log shall contain, as a minimum, the following:

- a. The heating value of the digester gas in BTU/cubic foot - determined on at least a Quarterly basis,
- b. Amount of digester gas burned daily, in cubic feet
- c. Amount of digester gas burned monthly, in cubic feet
- d. Amount of digester gas burned annually, in cubic feet

[District Rule 1302]

4. As a smokeless flare, this equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than zero (0) percent opacity.

[District Rules 1302 and 1320]

5. In order to remain below the 80% significance threshold for USEPA Major Source designation ("SM-80"), emissions from the entire facility shall not exceed the following limits:

- a. Oxides of Nitrogen (NO_x): 20 tons per consecutive twelve month period, measured as NO₂;
- b. Oxides of Sulfur (SO_x): 20 tons per consecutive twelve month period;
- c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve month period;
- d. Carbon Monoxide (CO): 80 tons per consecutive twelve month period;
- e. Hydrogen Sulfide (H₂S): 8 tons per consecutive twelve month period;
- f. Lead (Pb): 0.48 tons per consecutive twelve month period;
- g. Particulate Matter 10 microns and less (PM₁₀): 12 tons per consecutive twelve month period;
- h. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve month period; and
- i. All HAPs combined: 20 tons per consecutive twelve month period.

Compliance shall be demonstrated to the District through the submission of a District approved Comprehensive Emission Inventory Report (CEI) or other equivalent and District approved method.

[District Rules 1302 and 1320]

6. This facility shall not treat more than 14.5 million gallons of waste water per day.

[District Rules 1302 and 1320]

7. A facility wide Comprehensive Emission Inventory Report (CEIR) for all emitted criteria and toxic air pollutants must be submitted to the District annually, in a format approved by the District, no later than April 30 of the following year.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]