



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

B010393

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: JULY 2025

OWNER OF OPERATOR (Co. #46)

Victorville, City of
14343 Civic Drive
Victorville, CA 92392-2399

EQUIPMENT LOCATION (Fac. #3069)

Victorville SCLA Central Treatment Facility
So 1/2 Sec 14, T6N R5W
Victorville, CA 92392

Description:

WASTEWATER TREATMENT FACILITY consisting of:

EQUIPMENT

Capacity	Equipment Description
60	Three (3), 20 hp each, Sanitary Feed Pumps, #'s (9A, 9B, 9C)
30	Two (2), 15 hp each, Process Water Feed Pumps, #'s (10A, 10B)
30	Three (3), 10 hp each, Equilization Pumps, #'s (1A, 1B, 1C)
60	Two (2), 30 hp each, Jet Mix Pumps, #'s (2A, 2B)
0	Two (2), 30,000 Gallon Inlet Sump Tanks, #'s (TK-10, TK-11)
0	One (1), 800,000 Gallon Equilization Tank, # TK-01
0	One (1), 240,000 Gallon Aerobic Sludge Tank, # TK-06
0	Two (2), 2 MM Btu/hr Heat Exchangers, #'s (2A, 2B)
0	Two (2), 4 MM Btu/hr Heat Exchangers, #'s (1A, 1B)
0	Two (2), 135,000 Gallon Anaerobic Reactor Tanks, #'s (TK-2A, TK-2B)
0	One (1), 45,000 Gallon Effluent Tank, # TK-14
15	Three (3), 5 hp each, Recirculation Pumps, #'s (3A, 3B, 3C)
10	Two (2), 5 hp each, Sludge Pumps, #'s (4A, 4B)
20	Two (2), 10 hp each, Discharge Pumps, #'s (11A, 11B)

Fee Schedule: 1 (d) Rating: 1445 bhp SIC: 4952 SCC: 50100701 Location/UTM(Km): 466E/3830N

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.

Victorville, City of
Public Works - Fleet Division

Victorville, CA 92392-2399

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

Capacity	Equipment Description
0	Two (2), Process Gas Scrubbers, #'s (1A, 1B)
4	Two (2), 2 hp each, Process Gas Compressors, #'s (1A, 1B)
100	Two (2), 50 hp each, Sludge Blowers, #'s (2A, 2B)
0	One (1), 240,000 Gallon Aerobic Sludge Tank, # TK-06
9	Three (3), 3 hp each, Sludge Transfer Pumps, #'s (05A, 05B, 05C)
40	Two (2), 20 hp each, Centrifuges, #'s (CF-01, CF-02)
2	Two (2), 1 hp each, Inlet Screens, #'s (SC-01A, SC-01B)
0	One (1), 45,000 Gallon Mix Tank, # (TK-09)
0	One (1), 65,000 Gallon Anoxic Tank, # (TK-15)
0	Two (2), 445,000 Gallon each, Aerobic Bio-Reactor Tanks, #'s (TK-03A, TK-03B)
600	Three (3), 200 hp each, Aeration Blowers, #'s (BL-01A, BL-01B, BL-01C)
300	Three (3), 100 hp each, MBR Blowers, #'s (BL-03A, BL-03B, BL-03C)
0	Four (4), 45,000 Gallon each, Membrane Tanks, #'s (TK-04A, TK-04B, TK-04C, TK-04D)
0	One (1), 16,000 Gallon each, MBR Pump Station Tank, # (TK-05)
45	Three (3), 15 hp each, MBR Recirculation Pumps, #'s (PM-07A, PM-07B, PM-07C)
45	Six (6), 7.5 hp each, Permeate Pumps, #'s (PM-06A, PM-06B, PM-06C, PM-06D, PM-06E, PM-06F)
0	One (1), Treated Water Storage Tank, # TK-08
75	Three (3), 25 hp each, Distribution Pumps, #'s (PM-08A, PM-08B, PM-08C)

CONDITIONS:

1.This equipment shall be installed, operated, and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rules 204 and 1303]

2.Process gas produced by anaerobic reactors shall not be released directly to atmosphere under normal operations.
[District Rule 1303]

3.Anaerobic reactors gas shall be routed to and burned in the Emergency Flare (Permit C010294).
[District Rule 204]

4.The pressure relief devices on the anaerobic reactor tanks shall be set at no less than 12" water column.
[District Rule 204]

5.The vacuum relief devices on the anaerobic reactor tanks shall be set at no more than one inch mercury.
[District Rule 204]

6.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 amount of waste water treated and reactor/digester gas produced per day.
[District Rule 204]

7.This equipment shall only be operated/maintained in strict accord with federal, state, regional and local waste water discharge permits.
[District Rule 204]

8.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 (NOx): 20 tons per consecutive twelve month period, measured as NO₂;

- b. Oxides of Sulfur (SOx): 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]

9.A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

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