



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B014937

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: MARCH 2027

OWNER OF OPERATOR (Co.#1982)

Needles, City of
817 Third Street
Needles, CA 92363

EQUIPMENT LOCATION (Fac.#4331)

City of Needles - WWTP
516 East Broadway
Needles, CA 92363

Description:

WASTEWATER TREATMENT PLANT consisting of: Wastewater collection, treatment and disposal system with a design treatment capacity of 1.2 million gallons-per-day (MGD), consisting of: One (1) mechanical bar screen, two (2) 543,000 gallon (working) capacity Sequencing Batch Reactors (SBRs), one (1) 543,000 gallon (working) capacity aerobic digester, one (1) 325,000 gallon (working) capacity effluent equalization basin, twenty-four (24) 100' x 20' x 2.5' sludge drying beds and four (4) evaporation/percolation ponds.

EQUIPMENT

Capacity	Equipment Description
10	Air compressors (air actuated valves and misc.), 2 @ 5 hp
150	Positive displacement blowers (1 duty, 1 standby) for aeration of the SBRs, 2 @ 75 hp
150	Positive displacement blowers (1 duty, 1 standby) for aeration of the digester, 2 @ 75 hp
160	Submersible mixing pumps, 2 @ 40 hp (in each SBR, 4 total @ 160 hp)
120	Effluent submersible mixing pumps, 3 @ 40 hp
30	Filtrate pumps, 2 @ 15 hp
30	Sludge pumps, 2 @ 15 hp

CONDITIONS:

Fee Schedule: 1 (c)

Rating: 650 bhp

SIC: 9199

SCC: 2630020010

Location/UTM(Km):
720E/3856N

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.

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By: **COPY**
Eldon Heaston
Air Pollution Control Officer

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 Rule 1302]

2. The owner/operator shall not exceed a total wastewater flow exceeding 1.2 million gallons of wastewater per day.
[District Rule 1302]

3. An operations log shall be maintained on-site, or at a central location, for at least two (2) years and be made available to District personnel upon request. This log shall contain, as a minimum, the following:

- a. Daily and monthly records of the quantity of wastewater processed at this source;
- b. Repairs made to listed equipment (Note: This does NOT include routine maintenance actions); and,
- c. The total facility-wide Volatile Organic Compound (VOC) emissions, in pounds or tons, for the most recent calendar year.

[District Rule 1302]

4. The facility shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public.
[District Rule 402]

5. This equipment shall be operated and maintained in strict accordance with applicable federal, state, regional, and local waste discharge permits.
[District Rule 204]

6. 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]