



## 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

B013570

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: JUNE 2024**

#### OWNER OF OPERATOR (Co.#2370)

Hi-Desert Water District  
55439 Twentynine Palms Highway  
Yucca Valley, CA 92284

#### EQUIPMENT LOCATION (Fac.#3779)

Hi-Desert Wastewater Reclamation Facility  
58950 Sunnyslope Drive  
Yucca Valley, CA 92284

#### Description:

PRIMARY WASTEWATER TREATMENT SYSTEM consisting of: Facility Elevation is 3215 feet above sea level.

#### EQUIPMENT

Capacity	Equipment Description
0	INFLUENT PUMP STATION:
2	Coarse Screen
2	Coarse Screen Wash Compactor
3	Coarse Screen Conveyor
25	Influent Pump #1
25	Influent Pump #2
15	Influent Pump #3
10	Flow Equalization Pump #1
10	Flow Equalization Pump #2
0.44	Equalization Basin MOV
5	Grit Pump
1	Grit Dewatering Screw Conveyor
1	Grit Vortex
1.5	Influent Fine Screen #1

Fee Schedule: 1 (d)

Rating: 1222.9 bhp

SIC: 4941

SCC: 50100701

Location/UTM(Km):  
557E/3776N

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.

Hi-Desert Water District  
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By: **COPY**  
**Brad Poiriez**  
Air Pollution Control Officer

Capacity	Equipment Description
2	Influent Fine Screen Compactor #1
1.5	Influent Fine Screen #2
2	Influent Fine Screen Compactor #2
0	PLANT DRAIN SYSTEM:
10	Plant Drain #1
10	Plant Drain #2
0	BIOLOGICAL TREATMENT PROCESSES:
5	Anoxic Tank 1A Mixer
5	Swing Anoxic Tank 2A Mixer
7.5	Aerobic Tank 3A Mixer
7.5	Aerobic Tank 4A Mixer
5	Post Swing Anoxic Tank 5A Mixer
200	Process Tank Blower #1
0.5	Foam/WAS Pump #1 MOV
5	Foam/WAS Pump #1
15	MBR Aeration Blower #1
15	MBR Aeration Blower #2
15	MBR Aeration Blower #3
15	RAS Pump #1
15	RAS Pump #2
15	RAS Pump #3
7.5	Air Compressor #1
0.44	Swing Anoxic 2A Process Air MOV
0.44	Aerobic Tank 3A process air MOV
0.44	Aerobic Tank 4A process air MOV
0.44	Post Swing Anoxic Tank 5A Process Air MOV
5	Anoxic Tank 1B Mixer
5	Swing Anoxic Tank 2B Mixer
7.5	Aerobic Tank 3B Mixer
7.5	Aerobic Tank 4B Mixer
5	Post Swing Anoxic Tank 5B Mixer
200	Process Tank Blower #2
0.5	Foam/WAS Pump #2 MOV
5	Foam/WAS Pump #2
30	Permeate Pump #1
30	Permeate Pump #2
30	Permeate Pump #3
0.75	RAS Pump #1 MOV
0.75	RAS Pump #2 MOV
0.75	RAS Pump #3 MOV
7.5	Air Compressor #2
0.44	Swing Anoxic 2B Process Air MOV
0.44	Aerobic Tank 3B Process Air MOV
0.44	Aerobic Tank 4B Process Air MOV
0.44	Post Swing Anoxic Tank 5B Process Air MOV
0	SOLIDS HANDLING SYSTEM:
50	Aeration Blower #1
5	Dewatering Feed Pump #1
3	Conditioning Tank #1 Mixer
5.5	Dewatering Sludge Press #1

Capacity	Equipment Description
0.25	Dewatering Sludge Press #1 Sprayer
2	Discharge Conveyor #1
3	Incline Conveyor #1
3	Cross Conveyor
0.44	Decant MOV #1
50	Aeration Blower #2
5	Dewatering Feed Pump #2
3	Conditioning Tank #2 Mixer
5.5	Dewatering Sludge Press #2
0.25	Dewatering Sludge Press #2 Sprayer
2	Discharge Conveyor #2
3	Incline Conveyor #2
0.44	Decant MOV #2
0	ODOR CONTROL SYSTEM:
40	Odor Control Blower #1
40	Odor Control Blower #2
40	Odor Control Blower #3
0	PLANT WATER PUMP STATION:
20	Plant Water Pump #1
20	Plant Water Pump #2
7.5	Plant Water Pump #3
0	STORM WATER PUMP STATION:
5	Storm Water Pump #1
5	Storm Water Pump #2
0	CHEMICAL PUMPS:
0.33	Sodium Hypochlorite Pump #1
0.33	Sodium Hypochlorite Pump #2
1	Sodium Hypochlorite Pump #3
0.33	Magnesium Hydroxide Pump #1
0.33	Magnesium Hydroxide Pump #2
0.33	Organic Carbon Pump #1
0.33	Organic Carbon Pump #2
0.33	Organic Carbon Pump #3
0.5	Ciric Acid Pump #1
2	Magnesium Hydroxide Tank Mixer
50	Aeration Pump #1 on Storage Basin #1 (SHT Blower #1)
50	Aeration Pump #2 on Storage Basin #2 (SHT Blower #2)

## 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 Rule 1302]

2. The facility shall not treat more than 10 million gallons of wastewater per day, and no more than 3650 million gallons per year. [District Rule 1302]

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

- a. Amount of wastewater received and treated each day;
  - b. Repairs 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 204]

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]