



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

B011690

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: NOVEMBER 2026

OWNER OF OPERATOR (Co.#453)

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

EQUIPMENT LOCATION (Fac.#3407)

VVWRA - Apple Valley Plant
 21060 Otoe Road
 Apple Valley, CA 92307

Description:

WATER RECLAMATION PLANT, SCALPING PLANT consisting of:

EQUIPMENT

| Capacity | Equipment Description |
|----------|--|
| 0 | Influent Flow Meter, Magnetic type |
| 0 | Headworks |
| 1 | Headworks-Fine Screening-Rotary Drum, 1 HP |
| 3 | Headworks-Screenings Washer and Compactor, 3 HP |
| 0 | Aeration Basins-Two Parallel Basins |
| 400 | Aeration Blowers; Two Blowers-2 Duty, 1 Standby, Each Rated 200 HP. Note: Standby not included for fee purposes |
| 110 | Feed Forward Pump Station; Three Pumps- 2 Duty, 1 Standby, Each Rated 55 HP |
| 0 | Feed Forward Wet Well |
| 0 | Waste Activated Sludge (WAS) Wet Well |
| 10 | WAS Pumps; Two Pumps- 1 Duty, 1 Standby, Each Rated at 10 HP |
| 0 | WAS Flow Meter |
| 11 | Misc Uses; Process Drain Sump Pump (5 HP), Reclaimed Wet Well Sample Pumps (1 HP), Grinder (3 HP), Chem Containment Sump Pump (2 HP) |
| 0 | Process Air Blowers |

Fee Schedule: 1 (c)

Rating: 981 bhp

SIC: 4952

SCC: 50100701

Location/UTM(Km):
482E/3820N

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
 P.O. Box 370
 Adelanto, CA 92301

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

| Capacity | Equipment Description |
|----------|--|
| 0 | Membrane Filtration System (Two Trains); Hollow Fiber Submerged Membranes |
| 100 | Membrane Permeate/Backpulse Pumps; Two Total (One Per Train) Each Rated at 50 HP |
| 80 | Membrane Air, Agitation Air Blowers; Three Total- Two Duty, One Standby, Each Rated at 40 HP |
| 0 | Membrane Chemical Feed Systems; Sodium Hypochlorite Storage Tank (6,750 gal), Citric Acid Storage Tote (275 gal) |
| 0 | UV Disinfection System |
| 80 | Reclaimed Water System; Storage, Pumping- One Duty (60 HP), One Standby (60 HP), Plant Water Pumping- One Duty (20 HP) One Standby (20 HP) |
| 1 | Fine Screen Lube Oil Pumps |
| 24 | Anoxic Mixers, Six Total, Each Rated at 4 HP. |
| 10 | Air Compressor, 10 HP |
| 150 | Apple Valley Lift Station Primary Sewage Pumps, Three Total (50 HP Each) |
| 0.66 | Apple Valley Lift Station Duplex Sump Pumps, Two Total (1/3 HP Each) |
| 0 | Apple Valley Lift Station Generator |
| 0 | Apple Valley Lift Station Air Blower for Wet Well |
| 1 | Apple Valley Lift Station Exhaust Fan for Wet Well, 1 HP (500 cfm) |

CONDITIONS:

1. This equipment shall only be installed, operated and maintained in strict accordance with manufacturer/supplier recommendations and/or federal, state, regional and local waste water discharge permits. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. Specifically, this equipment must be operated concurrently with the equipment described in District Permit C011655, and must achieve the manufacturer's designed Hydrogen Sulfide (H₂S) control efficiency of 97 percent or higher.

[District Rules 203 and 1302]

2. This facility shall not treat more than 1.0 million gallons of waste water in any one day, averaged over any thirty day period.

[District Rule 1302]

3. This equipment shall be in operation and fully functional whenever the facility is processing wastewater influent or screening wastewater materials.

[District Rule 1302]

4. A flow indication device shall be installed to measure and record the wastewater throughput for each day of operation.

[District Rules 1303 and 1320]

5. The owner/operator shall conduct odor surveys (smell test) at the facility's downwind property line and at the facility's property line closest to the nearest residence on a monthly basis or more frequently if requested to do so by the District. Any detection of odor shall be documented and corrective action shall be taken within 24 hours to reduce the odors at the property line(s) to below detectable limits.

[District Rule 402]

6. The owner/operator shall maintain a log onsite which includes at a minimum:

- a. Date and time of all malfunctions, maintenance, and repairs to the system;
- b. Copies of all odor complaints and corrective actions taken; and
- c. Results of all property line odor surveys and corrective actions taken if necessary.

This log shall be maintained onsite for a minimum of two years and made available to District, State, or Federal compliance personnel upon request.

[District Rule 1302]

7. 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]