



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA92392-2310
 760.245.1661 -- 800.635.4617 -- FAX760.245.2022

PERMIT TO OPERATE

B003413

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, CA92394

EQUIPMENT LOCATION (Fac.#1124)

VVWRA - 20111 Shay
 20111 Shay Road
 Victorville, CA92394

Description:

POTW - PRIMARY AND SECONDARY TREATMENT consisting of: Primary and secondary treatment system with one septage area, three bar screens, eight primary clarifiers, two aerated grit basins, aerated channels, three equalization basins, twelve aeration basins, ten secondary clarifiers, a secondary effluent channel, and twelve percolation ponds.

EQUIPMENT

| Capacity | Equipment Description |
|----------|---|
| 2 | Screen Rake Drives, 2 @ 1 bp |
| 1 | Screen Conveyor |
| 0.5 | Grit Washer Rake Drive |
| 60 | Grit Washer Grit Pumps, 4 @ 15 hp |
| 3 | Primary Clarifier Collector Drives, 4 @ 0.75 hp |
| 30 | Primary Clarifier Sludge Pumps, 4 @ 7.5 hp |
| 6 | Primary Clarifier Sump Pumps, 2 @ 3 hp |
| 2 | Primary Clarifier Scum Pipes, 4 @ 0.5 hp |
| 7.5 | Primary Clarifier Scum Ejector |
| 0.75 | Primary Clarifier Exhaust Fan |
| 7.5 | Primary Clarifier Scum Pump |
| 2 | Primary Clarifier Muffin Monster Grinder |

Fee Schedule: 1 (c) Rating: 923.14bhp SIC: 4952 SCC: 50100701 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, CA92394

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

| Capacity | Equipment Description |
|----------|--|
| 80 | Equalization Basin Aerators, 8 @ 10 hp |
| 80 | Equalization Basin Equalization Pumps, 2 @ 40 hp |
| 0.75 | Equalization Basin Exhaust Fan |
| 3.75 | Equalization Basin Heat Pump |
| 15 | MLSS Channel Waste Pumps, 2 @ 7.5 hp |
| 7.5 | Secondary Clarifier Drives, 1-5 @ 1hp ea, 6 @ .5 hp, and 7-8 @ 1 hp ea |
| 75 | Secondary Clarifier RAS Pumps, 5 @ 15 hp |
| 100 | Secondary Effluent Pump Station 3W Pumps, 2 @ 50 hp |
| 30 | Secondary Effluent Pump Station 3W Pump |
| 1 | Reclaim Station Sampler Pump, 1 hp |
| 10 | Secondary Effluent Pump Station 3WL Pump |
| 75 | 2 Percolation Pond Pumps, 2 @ 75 hp |
| 5 | Rapid Mixer |
| 4 | Flocculator Divers, 4 @ 1 hp |
| 1.34 | Flocculator Alum Pumps, 2 @ 0.67 |
| 1 | Traveling Bridge Filter Bridge Drivers, 2 @ 0.5 hp |
| 6 | Traveling Bridge Filter Backwash Pumps, 2 @ 3 hp |
| 6 | Traveling Bridge Filter Washwater Pumps, 2 @ 3 hp |
| 1 | Traveling Bridge Filter Skimmer Pumps, 2 @ 0.5 hp |
| 0.5 | Traveling Bridge Filter Sampling Pump |
| 30 | Spent Backwash Tank Backwash Pumps, 2 @ 15 hp |
| 20 | Storm Water Pump Station Pumps, 2 @ 10 hp |
| 5 | Septage Grinder Motor |
| 2 | Septage Grit classifier Motor |
| 5 | Septage flow Control Valve Motor |
| 7.5 | No #1 septage Pump Motor |
| 7.5 | No #2 septage Pump Motor |
| 0.5 | Aqua Guard Screen Motor #3 |
| 0.75 | Grit Classifier #2 Motor |
| 10 | screening Trash Compactor Motor |
| 5 | Primary Gallary Sump Pump #3 Motor |
| 5 | Primary Gallary Sump Pump #4 Motor |
| 15 | Primary Sludge Pump #5 Motor |
| 15 | Primary Sludge Pump #6 Motor |
| 15 | Primary Sludge Pump #7 Motor |
| 15 | Primary Sludge Pump #8 Motor |
| 5 | Primary Sludge Grinder #2 Motor |
| 20 | Scum Pump #1 Motor |
| 20 | Scum Pump #2 Motor |
| 1 | Primary Sludge Coll Motor #5 |
| 1 | Primary Sludge Coll Motor #6 |
| 1 | Primary Sludge Coll Motor #7 |
| 1 | Primary Sludge Coll Motor #8 |
| 1 | Primary Scum Coll Motor #5 |
| 1 | Primary Scum Coll Motor #6 |
| 1 | Primary Scum Coll Motor #7 |
| 1 | Primary Scum Coll Motor #8 |
| 5 | Primary Effluent Feed Pump Motor |
| 4.4 | Influent channel Mixer Motor |
| 4.4 | Basin Mixer |

| Capacity | Equipment Description |
|----------|--|
| 40 | New ML Recycle Pump |
| 10 | AB9/10/11/12 Drain Pump Motor |
| 15 | Tank Drain Pump |
| 0.5 | Secondary Sludge Coll Drive Motor #9/#10 |
| 7.5 | Was Pump Motor #1/#2 |

CONDITIONS:

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

- 2.An operations log shall be maintained on-site for at least two (2) years and be made available to MDAQMD personnel on request. This log shall contain, as a minimum, the amount of waste water received and treated each day.

- 3.This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations; sound engineering principles; and/or federal, state, regional and local waste water discharge permits.

- 4.Emissions from this facility, including all stationary and portable emissions, may not exceed the following emission limits, based on a rolling 12 month summary:
 - a. NOx - 24.9 tons/year, verified by compliance tests and hours of operation,
 - b. VOC as CH4 - 24.9 tons/year, verified by compliance tests and hours of operation,
 - c. PM10 - 14.9 tons/year, verified by compliance tests and hours of operation,
 - d. Single Federal Hazardous Air Pollutant (HAP) - 9.9 ton/year, verified by emission calculations, and
 - e. All HAPs - 24.9 tons/year, verified by emission calculations.

- 5.A facility wide Comprehensive Emission Inventory (CEIR) for all emitted criteria and toxic air pollutant must submit to the District, in a format approved by the District, on a yearly basis, which is to be received by the District no later than April 30 of the following year.