MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

RENEWAL

B008746

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#87)

Commanding Officer, MCLB Barstow, CA
Box 110570 Bldg 196 Attn: Air Program Manager
Barstow, CA 92311-5050

EQUIPMENT LOCATION (Fac.#587)

USMC MCLB - Yermo Annex
USMC Logistics Base
Barstow, CA 923115013

Description:
WASTEWATER TREATMENT PLANT (BLDG 609) consisting of: Also known as the IWTP, a wastewater treatment system that treats MCLB Barstow Yermo Annex industrial wastewater as collected in the Wet Well. This system includes the following equipment: Facility Elevation is 1964 ft above MSL.

EQUIPMENT

Capacity	Equipment Description
0	T-12, Tank, Oily Water, for disposal only, 3,500 gal.
0	T-20, Tank, Oily Water, for disposal only, 4' h x 11' 6" dia, 1,008 gal.
0	T-3, Tank, Oily Water, for disposal only, 3,486 gal.
0	T-30, Tank, Ultra Filtration Process, 10,000 gals.
0	T-29, Tank, Ultra Filtration Process, (Permeate Transfer Tank), 1,000 gal.
0	T-15, Tank, Low Purity Water Storage, 17' h x 16' dia, 25,000 gal.
0	T-33, Tank, Reverse Osmosis Feed, 3,000 gal.
0	T-16, Tank, High Purity Water Storage, 12' H x 12' dia, 10,000 gal.
0	Grit Separator
0	Ultra Filtration Unit
0	Reverse Osmosis Unit
0.65	P-1A Transfer industrial wastewater to Bldg 609
0.65	P-1B Transfer industrial wastewater to Bldg 609

Fee Schedule: 1 (a) Rating: 27.2 bhp SIC: 9711 SCC: 50300701 Location/UTM(Km): 512E/3861N

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.

Commanding Officer, MCLB Barstow, CA
Box 110570 Attn: Air Program Manager
Barstow, CA 92311-5050

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

Capacity	Equipment Description
0.5	P-2A Transfer industrial wastewater to oil/water separator at T-1, T-2
0.5	P-2B Transfer industrial wastewater to oil/water separator at T-1, T-2
0.3	P-67A Transfer sludge from T-1 to T-12 at T-1, T-2
0.3	P-67B Transfer sludge from T-2 to T-12 at T-1, T-2
0.1	P-63 Transfer sludge from T-1, T-2 to T-3 at T-1, T-2
0.15	P-5A Transfer oil/water separator effluent to T-30 at oil/water separator
0.15	P-5B Transfer oil/water separator effluent to T-30 at oil/water separator
0.75	P-3A Transfer oil from oil/water separator #1 to T-3 at oil/water separator
0.75	P-3B Transfer oil from oil/water separator #2 to T-3 at oil/water separator
0	P-4A Transfer oily sludge from oil/water separator #1 to T-20 at oil/water separator; pneu
0	P-4B Transfer oily sludge from oil/water separator #2 to T-20 at oil/water separator; pneumatic
2	Water Pump Circulate cleaning and rinse water thru ultra filtration unit at ultra filtration unit
0	Sludge Pump Transfer sludge from T-30 to T-3 at ultra filtration unit; pneumatic
2	P-50 Ultra Filtration Feed pump supplies positive pressureto P-49 at ultra filtration unit
6	P-49 Circulates industrial wastewater through ultra filter unit at ultra filtration unit
0.1	P-51 Transfers ultra filtered permeate from T-29 to T-15 at ultra filtration unit
0.5	P-20A Supplies T-15 water to carbon units - to air stripper or AOP at carbon units
0.5	P-20B Supplies T-15 water to carbon units - to air stripper or AOP at carbon units
0.3	P-56A Supplies water to RO booster pumps from T-33 at AOP
0.3	P-56B Supplies water to RO booster pumps from T-33 at AOP
0.1	P-23 Pumps RO brines to basins from T-19 at brine storage tank
2.5	P-21A Supplies water to RO membranes at RO
2.5	P-21B Supplies water to RO membranes at RO
0.5	P-50 Circulates cleaning water from T-29 through RO at RO
0.3	P-52 Supplies water from T-16 to T-29
0.3	Water Pump Supply water from scrubber pump to various pumps on scrubber
0.5	P-19A Supply water from carbon units to top of stripper tower
0.5	P-19B Supply water from carbon units to top of stripper tower
0.75	P-22A Transfer treated water to steam rack
0.75	P-22B Transfer treated water to steam rack
0.2	P-39 Supplies permeate from brine storage tanks (T-19) to T-16
0.15	P-41A Pumps sump to T-1 and T-2 by T-1, T-2
0.15	P-41B Pumps sump to T-1 and T-2 by T-1, T-2
0.15	P-42A Pumps sump to T-1 and T-2 by oil/water separator
0.15	P-42B Pumps sump to T-1 and T-2 by oil/water separator
0.15	P-43A Pumps sump to T-1 and T-2 by ultra filtration tank
0.15	P-43B Pumps sump to T-1 and T-2 by ultra filtration tank
0.15	P-44A Pumps sump to T-1 and T-2 by ultra filtration unit
0.15	P-44B Pumps sump to T-1 and T-2 by ultra filtration unit
0.15	P-45A Pumps sump to T-1 and T-2 by RO
0.15	P-45B Pumps sump to T-1 and T-2 by RO
0.15	P-46A Pumps sump to T-16 by T-16
0.15	P-46B Pumps sump to T-16 by T-16

CONDITIONS:

1. This equipment shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emission of air 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 maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Monthly total volume of liquid entering Clarifiers 1 and 2;
b. Quarterly total volume of skimmings removed from Clarifiers 1 and 2;
c. Dates and volumes of all liquids disposed of via certified off-base handling facilities from Tanks T-3 and T-20 (in gallons);
d. Records sufficient to verify exemption status from District Rule 464 (see Condition 4);
e. Dates and times of operator attended use of any portion of the system; and
f. Descriptions of all malfunctions and corrective actions taken.
[District Rule 1302]

3. This system shall not recover more than 759 liters (200 gallons) per day of any petroleum products with a Reid Vapor Pressure (RVP) of 25 mm Hg (0.5 psi) or greater.
[District Rule 464]

4. 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.
[Rule 107(b), HSC 39607 and 44341-44342, 40 CFR 51, Subpart A]