



# 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

T012039

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.#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:**

DIP TANK #1 (BLDG 573, SMALL ARMS AREA) consisting of: Alkaline Cleaning and Parkerizing (Mn phosphate) Tank, Zero VOC: Gordobond G 4040. Surface area of solution: 32 sq ft (8 feet L x 4 feet W x 4 feet D) Total operating volume 838 gallons; Solution Depth 3.5 feet. Freeboard height 6 inches. Operating temperature: 205 deg F Open tank exhaust rate is 100 cfm/sf. Tank heater mfg by Eclipse, natural gas immersion type burner rated at 2.0 MMBtu/hr, Model No. IJ-6, and all associated exhaust duct work and fans. Note: As this tank is only authorized to use inorganic compounds, the evaporative VOC emissions from this tank are 0.0 lbs of VOCs per year. Furthermore, this tank contains less than 0.25% Mn by weight and is therefore exempt from 40 CFR 63 subpart WWWW as noted in 40 CFR 63.11505(d)(6). Facility Elevation is 1964 ft above MSL.

### **CONDITIONS:**

1. The tank shall be equipped with a vapor collection hood located along the back of the tank. [District Rule 1302]
2. The vapor collection hood and fan shall be in operation at all times when the tank is in use. [District Rule 1302]
3. This dip tank must be covered at all times when containing a chemical agent except when parts are being loaded, unloaded, or while suspended and draining into the dip tank. [District Rules 1302(B)(1)(a) and 1320]

Fee Schedule: 2 (c)

Rating: 2000000 Btu

SIC: 9711

SCC: 40100335

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**  
**Eldon Heaston**  
Air Pollution Control Officer

4. Only chemicals/solutions identified in the above description may be stored in this dip tank.  
[District Rule 1302(B)(1)(a)]

5. An operator's log must be maintained current and on site which contains, at a minimum, the following information. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel on request.

- material safety data sheet(s) for chemical(s) stored in the tank;
- date and amount of chemical(s) being added to the tank (summarized monthly);
- daily tank heater usage, in hours, summarized monthly, as required by condition #10; and
- daily self-inspection checklist.

[District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

6. Tank heater can only be fired on natural gas. O/o must provide fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method to District, state or Federal personnel on request.  
[District Rule 431; District Rule 1303(A)- BACT]

7. District Permit units T012039 through T012044 (BLDG 573, Small Arms Area) shall not exceed the following annual emission limits rolled on a monthly basis; combustion emission limits verified by good combustion practices, equipment operation in accordance with manufacturers data and specifications, and use of only natural gas fuel. Evaporative emission limits shall be verified through VOC recordkeeping.

// Pollutant // Combustion Emissions, in Lbs (Tanks #1 and #2 only) // Evaporative Emissions, in Lbs  
NOx (30 ppmvd @ 3% O2) // 182.5 // 0  
CO (100 ppmvd @ 3% O2) // 370.3 // 0  
VOC // 25.9 // 200.8  
SOx // 2.8 // 0  
PM10 // 35.8 // 0

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Note: Combustion Emissions are from heated tanks 1 and 2 only, as described in District permits T012039 and T012044.  
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

8. Owner/operator surrendered valid emission reduction credits prior to the construction of equipment units with District permit numbers T012039 through T012044 (BLDG 573 Small Arms Area) in the following amounts (in lbs per year);  
NOx (offset ratio 1.3:1): 109  
PM10 (offset ratio 1.0:1): 36  
Note: District Permit T012041 replaces District Permit T003095. Permit T003095 was properly canceled.  
[District Rule 1303(B)]

9. Tank burners #1 and #2 (T012039 and T012044) shall not exceed a combined total of 2470 operating hours in each consecutive 12 month period. Owner/operator shall monitor and record the duration, in hours per day (summarized monthly), that tanks #1 and #2 are in operation. (Daily) Operation is defined as from the time each burner commences firing and lasting until each burner ceases firing.  
[District Rule 1302]

10. 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]