MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park AvenueVictorville,CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

PERMIT TO OPERATE

T011930

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 2025

OWNER OF OPERATOR (Co.#87)

Commanding Officer, MCLB Barstow, CA
Box 110570 Bldg 196 Attn: Air Program Manager
Barstow,CA92311-5050

EQUIPMENT LOCATION (Fac.#587)

USMC MCLB - Yermo Annex
USMC Logistics Base
Barstow,CA923115013

Description:
DIP TANK #8 (CLEAN LINE #2, BLDG 640) consisting of:METAL FINISHING, FH3 (chromic acid/chromium chromate), Zero VOC Surface area of solvent: 31 sq ft (4.3 feet W x 7.2 feet L x 5 feet D) Total operating volume: 968 gallons; Solution Depth 4.2 feet. Freeboard height 10 inches. Operating temperature: 160 deg F Open tank exhaust rate is 8.3 cfm/sf, closed tank exhaust rate is 8.3 cfm/sf. Equipped with a push-air system supplying a continuous supply of air across the top of the tank, exhausting through hood at back of tank. Tank cover rolls open/closes automatically upon request by the user, from control panel. Tank heater burner mfg by Eclipse, natural gas immersion type burner rated at 0.44 MMBtu/hr (below permitting threshold), Model No. IJ-3. 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 more than 0.22% Cr by weight and is therefore regulated by 40 CFR 63 subpart WWWWWW. 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 there is a chemical agent in the tank.
[District Rule 1302]

3.No materials containing VOCs are permitted in this tank. Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable material used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. Alternatively, VOC content may be determined in

Fee Schedule:5 (a) Rating:1000gallons 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,CA92311-5050

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

accordance with South Coast AQMD Method 313 (Determination of Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry) or other alternative test methods with prior written approval by the APCO.
[District Rule 1303(A)]

4.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.
a. material safety data sheet(s) for chemical(s) stored in the tank,
b. a daily record of all materials added to the tank, including the date, material name, and quantity added (summarized monthly),
c. daily self-inspection checklist,
d. fuel sulfur analysis guarantee from fuel supplier or fuel sulfur analysis in accordance with District approved method.
[District Rule 1303(A)- BACT]

5.The tank heater can only be fired on PUC-Regulated pipeline quality natural gas.
[District Rule 431; District Rule 1303(A)]

6.District Permit units T011924 through T011932 (BLDG 640 Dip Tank Line) shall not exceed the following emission limits, verified by equipment operation in accordance with manufacturer's data and specifications and observing proper operating practices and procedures as specified herein.
// Pollutant // Combustion Emissions (tanks #1 and #2 only, in lb/yr) // Evaporative Emissions (lb/yr)
NOx (30 ppmvd @ 3% O2): // 1456.4 // 0
CO (100 ppmvd @ 3% O2): // 2955.1 // 0
VOC: // 206.5 // 331.0
SOx: // 22.5 // 0
PM10: // 285.3 // 0
===
Note: Combustion emissions are from heated Tanks 1 and 2 only, as described in District Permits T011924 and T011925.
[District Rule 1303(A) - BACT for heated process tank; District Rule 1301(UU)]

7.The owner/operator surrendered the following valid Emission Reduction Credits (ERCs) prior to the construction of the Dip Tanks described in District Permits T011924 through T011932:
NOx (offset ratio of 1.3:1): 1893
VOC (offset ratio of 1.3:1): 597
PM10 (offset ratio of 1.0:1): 285
Furthermore, this project used 78 lbs of VOC simultaneous emissions reductions associated with District Permit T003095 process rate reductions. District Permit T003095 was canceled effective 10/07/2015.
[District Rule 1303(B)]

8.Owner/operator must implement the applicable management practices of 40 CFR Part 63 subpart WWWWWW (listed below) at all times that the tank or process is in operation:
a. Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
b. Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.
c. Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
d. Use tank covers, if already owned and available at the facility, whenever practicable.
e. Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
f. Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable. g. Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.
h. Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.
i. Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
j. Minimize spills and overflow of tanks, as practicable.
k. Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
l. Perform regular inspections to identify leaks and other opportunities for pollution prevention.
[District Rule 1320; 40 CFR 63.11507; 40 CFR 63.11508(c)(11)]

9.Owner/operator must submit a deviations report in any year in which there is a deviation from the compliance requirements of 40 CFR Part 63 subpart WWWWWW. O/o must report the deviation(s), and the corrective action taken along with the annual compliance report to the District, postmarked or delivered no later than January 31 of the year immediately following the reporting period.
[40 CFR 63.11509]

10.This equipment is subject to and shall comply with all applicable requirements found in 40 CFR part 63 subpart WWWWWW-National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations.
[40 CFR 63.11504(a)(1)(iii); 40 CFR 63.11506(c)]

11.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]