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

RENEWAL

T012042

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:
DIP TANK #4 (BLDG 573, SMALL ARMS AREA) consisting of: Hot Chromic Acid Seal Tank; Chromium Chromate/Chromium Trioxide (FH3), Zero VOC; 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: 150 deg F Open tank exhaust rate is 100 cfm/sf. Tank heater mfg by Eclipse, natural gas immersion type burner rated at 0.44 MMBtu/hr, Model No. IJ-3, 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 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 the tank is in use.
[District Rule 1302]]

3. Solution carry-out shall be minimized by the following methods;
a. The hoist speed must be slow enough to prevent solvent vapors from being pushed and/or pulled out of the tank. The speed of the hoist must not exceed 11.2 feet per minute;
b. Rack workload arranged to promote complete drainage;

Fee Schedule: 5 (a)	Rating: 1000 gallons	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.

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Box 110570 Attn: Air Program Manager
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By: **COPY**
Brad Poiriez
Executive Director

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c. Tip out any pools of solvent remaining on the cleaned parts before removing them from the cleaning tank if the cleaning tank are operated manually.
[District Rule 1104(C)(2)(vi); District Rule 1302(B)(1)(a)]

4. 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 Rule 1104(C); District Rule 1302(B)(1)(a); District Rule 1320]

5. Only chemicals/solutions identified in the above description may be stored in this dip tank.
[District Rule 1104]

6. 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. date and amount of chemicals being added to the tank (summarized monthly); and
c. daily self-inspection checklist.
[District Rule 1303(A)- BACT; District Rule 1203(D)(1)(d)(ii)]

7. Tank heater can only be fired on natural gas. Owner/Operator 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]

8. 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)]

9. 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)]

10. 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)]

11. 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]

12. 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)]

13. 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]