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

RENEWAL

C009623

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:
REGENERATIVE THERMAL OXIDIZER (BLDG 634) consisting of: CECO Environmental Zeolite Rotary Concentrator and Regenerative Thermal Oxidizer that includes: Model Number 60.0ZRC Zeolite Rotary Concentrator (a continuously rotating rotor made of an absorptive medium, zeolite), which operates in three modes, adsorption, desorb (utilizing a Maxon 1 ft. Crossfire burner with a maximum heat input of 1.5 MMBTU/hr of natural gas combustion, producing a maximum desorb temperature of 500 degrees F), and cooling; and A Model 3.0RTO95 Regenerative Thermal Oxidizer (RTO), which utilizes one Maxon Model 3 inch Kinedizer Low NOx Burner, with a maximum heat input of 0.867 MMBtu/hr of natural gas, and the combustion chamber is heated to a minimum temperature of approximately 1550 degrees F. The RTO is equipped with a stack, shared with the RTO operating under District Permit C009968, venting the combined exhaust from the Concentrator and the exhaust from the RTO. The stack is 45 feet high and 76 inches inside diameter, with a design flow rate of 60,000 SCFM per RTO (combined 120,000 SCFM) at 225 degrees F. Facility Elevation is 1964 ft above MSL.

CONDITIONS:

1. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall be operated in compliance with all data and specifications submitted with the application under which this permit is issued.
[District Rule 204]

2. This thermal oxidizer shall be fully functional and operating whenever the spray booth with valid District permit S009622 is in use.
[District Rules 204, 1303(A)(3)]

Fee Schedule: 7 (h)	Rating: 1 device	SIC: 9711	SCC: 40299998	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

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3. 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. Results of initial Capture Efficiency source test results;
b. Results of annual Destruction Efficiency demonstrations;
c. Monthly and rolling consecutive twelve month period VOC release records;
d. Daily record of the thermal oxidizer combustion chamber operating temperature; and
e. Descriptions of all malfunctions and corrective actions taken.
[District Rules 204, 1303(A)(3); 40 CFR 70.6(a)(3)(ii)(b)]

4. The combined emissions from all equipment described in District permits S008392, S008393, S008394, S008395, S008396, S009622, S009969, C008397, C009623, and C009968 (the entire Paint and Undercoat Facility) to the atmosphere shall not exceed 3089 pounds of VOC in any consecutive twelve month period. Compliance with this condition shall be verified through reaction chamber temperature and VOC release records, calibrated with initial capture efficiency source test results and annual destruction efficiency demonstrations.
[District Rules 204, 1115, 1116, and 1303(A)(3), 40 CFR 52.220(c)(239)(i)(A)(1), 61 FR 58133]

5. This equipment shall operate with a control efficiency of greater than 90 percent (capture times destruction), comparing total VOC release in the booths and ovens and actual VOC emissions exhausted to the atmosphere from this device. Compliance tests described below, in conjunction with initial capture efficiency source test results, shall be used to demonstrate this control efficiency.

The owner/operator shall conduct compliance tests at least once every twelve (12) months at the concentrator inlet, and combined oxidizer and concentrator exhaust to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the MDAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A, or 25B, with USEPA Test Method 18, or CARB Method 422 used to determine exempt compound concentrations.
[District Rules 204, 1303(A)(3)]

6. Compliance Test Notifications, Protocols, and Results:
a. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol.
b. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present.
c. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test.
d. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
[District Rule 204]

7. When in operation, the nominal reaction chamber temperature shall be maintained at 1600 degrees Fahrenheit (plus or minus 50 degrees Fahrenheit), with a minimum temperature of 1550 degrees Fahrenheit.
[District Rule 1303(A)(3)]

8. This thermal oxidizer shall only use PUC-regulated pipeline quality natural gas for fuel.
[District Rule 1303(A)(3)]

9. 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.
[[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]