



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

S003138

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. #88)

NAWS
429 E Bowen Road - Stop 4014
China Lake, CA 93555-6108

EQUIPMENT LOCATION (Fac. #4653)

NAWCWD Research and Development
429 E Bowen Road - Stop 4014
China Lake, CA 93555

Description:

PAINT SPRAY BOOTH (SALT WELLS, BLDG 11680) consisting of: A custom built unit: The painting surface area is the table in the middle of the room, whose dimensions are 19 ft by 25 ft by 12 ft high. Air filtration system consists of a Spray Systems Industrial Dry Filter Booth, Model I-887, measuring 7 ft-7 in W X 7 ft-9 in H X 7 ft-6 in D, containing twelve 20 inch x 25 inch x 2 inch exhaust filters, an exhaust filter manometer, and a 24 inch diameter exhaust fan driven by a 1.5 hp motor producing an airflow of 6400 scfm and operates at a pressure drop of 0.5-2.0 inches of water column across the exhaust filters.

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of 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 204]
2. All coatings, diluents, thinners and solvents used within this paint booth shall comply with District Rules 442, 1113, 1114, and 1115 in their entirety. These rules pertain to Photochemically Reactive Solvents, Architectural Coatings, Wood Products Coatings, and Metal Parts & Products Coatings Operations. [District Rules 442, 1113, 1114, 1115, and 1116]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 8734

SCC: 40202501

Location/UTM(Km):
450E/3946N

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.

NAWS
Environmental Management Division

China Lake, CA 93555-6108

By: **COPY**
Brad Poiriez
Executive Director

3. The owner/operator shall maintain an operations log for this paint booth 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) Equipment used to apply each coating and the type of substrate being coated;
- (b) Type of coating used and its VOC limit under each applicable rule;
- (c) Quantity of coating used and its VOC content (in pounds per gallon or grams per liter);
- (d) Total VOC emissions for each day's operations;
- (e) Total VOC emissions for each rolling consecutive twelve-month period; and
- (f) Differential pressure readings across the exhaust filters.

[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. The owner/operator shall not use an application method other than HVLP spray guns, hand-held Aerosol Coating Products, electrostatic spray guns (powder coating) or Hand Application methods unless prior written approval is obtained from the District.

[District Rules 442, 1113, 1114, 1115, and 1116]

5. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with air flow passages. Differential pressure drops across the discharge filters shall be maintained between 0.5 and 2.0 inches of water column as currently recommended by the manufacturer: If a change in any filter type requires a modification to this range, the District shall be notified in writing prior to the change.

Note: Currently, isocyanate emissions are not specifically regulated. However, the facility may be required to file a Toxics Emissions Inventory and/or conduct a Health Risk Assessment. Based on the Risk Assessment, control of the emissions may be required.

[District Rules 204 and 1320]

6. The total amount of VOCs emitted from this paint booth shall not exceed 20 pounds per day. Furthermore, the total amount of VOCs emitted from this paint booth shall not exceed more than 4,000 pounds per rolling consecutive twelve month period.

[District Rule 204]

7. The owner/operator shall not use any motor vehicle or mobile equipment coating that contains hexavalent chromium or cadmium as discussed in 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and these shall be provided to District, State or Federal personnel upon request.

[District Rule 1116; 17 CCR 93112]

8. This facility has elected to voluntarily limit its emissions to the extent that this facility is no longer subject to the provisions of Regulation XII - Federal Operating Permits [District Rule 221(B)]. As such, the facility-wide emissions must be less than the following limitations in each calendar year:

- (a) 80 tons per year of Carbon Monoxide (CO)
- (b) 25 tons per year of Oxides of Nitrogen (NOx) [More stringent limit is offset based]
- (c) 25 tons per year of Volatile Organic Compounds (VOC) [More stringent limit is offset based]
- (d) 15 tons per year of Particulate Matter of 10 microns or less (PM10) [More stringent limit is offset based]
- (e) 10 tons per year of Hydrogen Sulfide (H2S) [More stringent limit is offset based]
- (f) 25 tons per year of Oxides of Sulfur (SOx)
- (g) 0.5 tons per year of Lead (Pb)
- (h) 8 tons per year of any single Hazardous Air Pollutant (HAP)
- (i) 20 tons per year of any combination of HAP

Compliance with these emission limitations must be verified by pollutant-specific emission summaries for each calendar year. These emission summaries must be retained on-site for a minimum of five (5) years; and, must be made available for review upon request by District, State, and/or Federal personnel.

[District Rules 221(B), 1201(S) and 1303(B) - basis: offsets for NOx, VOC, PM10 and H2S only]

For the purposes of implementation of the Title I (Part D) Nonattainment New Source Review (nonattainment NSR), Title I (Part C) Prevention of Significant Deterioration (PSD), and Title V Operating Permit Programs under the Clean Air Act, Facility refers to a

stationary source, or group of stationary sources that are located on one or more contiguous or adjacent properties that are owned, operated, supervised, or controlled by one or more Department of Defense (DoD) component(s) that were disaggregated during the course of major source determination(s), based upon appropriate industrial groupings and support facility relationships. Compliance with these limits shall be demonstrated through the submission of an installation-wide Comprehensive Emission Inventory (CEI) for all emitted regulated air pollutants or any pollutant listed under section 112(b) of the Clean Air Act (including 12 month emissions summary). Exceedance of these emission limits may trigger offsets, BACT, and/or require submission of a Title V permit application. [District Rules 1302 and 1303, 40 CFR 51.165, 40 CFR 52.21(b), 40 CFR 70.2 and "Major Source Determinations for Military Installations under the Air Toxics, New Source Review, and Title V Operating Permit Programs of the Clean Air Act," memorandum from John S. Seitz, Director, Office of Air Quality Planning and Standards, (August 2, 1996)]

9. A Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants located at this military installation (including, but not limited to, MDAQMD Facility nos. 567, 4650, 4651, 4652 and 4653) must be submitted to the District, in a format approved by the District, upon District request. For the purposes of CEI, Facility is defined as every structure, appurtenance, installation, and improvement on land which is associated with a source of air releases or potential air releases of a hazardous material. [District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]