



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

A013623

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

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:

ABRASIVE BLAST BOOTH, (IOB) consisting of: A custom manufactured abrasive blasting booth measuring 12 feet high by 16 feet wide by 24 feet long and equipped with an integral 100 cubic foot per hour airwash reclaim system. Exhaust is vented to the baghouse described in District Permit C013624.

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 air 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. This abrasive blasting booth shall not be operated unless vented to the properly functioning air pollution control device listed in District Permit C013624. This system shall not be used for unconfined abrasive blasting. [District Rules 204 and 1320]
3. This abrasive blasting booth must be equipped with tight fitting seals around all openings, doors, windows, seams, etc. so as to prevent the escape of particulate matter into the ambient air while in use.

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 8734

SCC: 30900201

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

[District Rule 1302]

4. The owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater for any period aggregating more than three minutes in any one hour.

[District Rule 401]

5. This abrasive blasting booth shall not be operated for more than 1,350 hours in any consecutive 12 month period.

[District Regulation XII, District Rule 1303 and 1320]

6. 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 for each date of use:

a. Number of hours used;

b. Manufacturer's name and product name/code number of each abrasive material used; and

c. Quantity of each abrasive material used, in pounds.

[District Rule 1302; 40 CFR 70.6(a)(3)(ii)(b)]

7. The District does not currently require periodic source testing of this abrasive blasting booth or its associated air pollution control device (District Permit C013624), although such testing may be required in the future.

[District Rule 204]

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]