



## 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

B003155

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:

HAMMER MILL (SALT WELLS BLDG 15980) consisting of: A Micropulverizer model 1SH hammer mill, capable of processing up to 500 lbs of material per batch, with each batch taking approximately one hour to process, though the normal batch size is approximately 250 lbs. This mill operates in a closed, sealed room and is vented to the equipment described in District permits C003157 or C004010, dust collectors capable of capturing 99.4% of particulate matter of 30 microns aerodynamic diameter and less. The dust collectors are used for safety reasons and not for air pollution control purposes. The primary purpose of this mill is to size energetic materials down to 6-11 microns for research and development.

#### EQUIPMENT

| Capacity | Equipment Description |
|----------|-----------------------|
| 25       | Main drive            |
| 6        | Feed Hoist            |
| 3        | Feeder                |
| 0.5      | Feed Screw            |

#### CONDITIONS:

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 8734

SCC: 30180001

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

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. This equipment shall only be used to grind explosives or other material for research and development.  
[District Rule 204]

3. The owner/operator shall maintain an operations log for this equipment 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) Date, time, and duration of each use; and  
(b) Type and amount of material processed.  
[District Rule 204; 40 CFR 70.6(a)(3)(ii)(b)]

4. This equipment shall not be used unless vented to a properly functioning dust collector described in District permit C003157 or District permit C004010.  
[District Rule 204]

5. This system may use either the Raymond model 64059 or the Micropulverizer model 1SH grinder, but in no case shall both units be operated at the same time.  
[District Rule 204]

6. 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)]

7. 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]