



**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**

B014531

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: MARCH 2027**

**OWNER OF OPERATOR (Co.#2087)**

Exquadrum, Inc.  
13313 Sabre Blvd., Suite 1  
Victorville, CA 92394

**EQUIPMENT LOCATION (Fac.#4205)**

Exquadrum - Victorville  
13490 Forge Street  
Victorville, CA 92392

**Description:**

PROPELLANT AND ENERGETICS MIX LAB AND TEST FACILITY consisting of: Test Buildings (as defined below). TF-03 (ARTT): 4' L X 4' W X 4' H; 1/4" thick steel box, solid top, east side open. TF-07 (STYX): 6'L X 4' W X 4' H; 1/4" thick steel box with hinged doors lined with gypsum. Building PES-02- Mix Lab The Oxidizer Processing Lab is used to dispense, grind, and sieve solid particle oxidizers when necessary. The solid particle grinder is an enclosed puck mill grinder. Removal of solid particles from grinder will vent via a laboratory type fume hood to the Donaldson Torit dust collector (District Permit C011777).

**CONDITIONS:**

1. This equipment, test buildings and mix lab 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 1302]

2. Visible emissions from this equipment shall not exceed an opacity equal to, or greater than, twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor. This equipment shall not discharge air contaminants or materials constituting a nuisance to any considerable number of persons or to the public. No visible emissions shall extend beyond the property line of the emission source.

[District Rules 401, 402, 403, and 1302]

Fee Schedule: 7 (a)

Rating: 1 device

SIC: 8733

SCC: 20400201

Location/UTM(Km):  
473E/3956N

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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By: **COPY**  
**Eldon Heaston**  
Air Pollution Control Officer

3. Emissions of HCL from the combustion of propellant/energetics shall not exceed the following limits, based on an HCL emission factor of 63.5 grams HCL/lb of propellant/energetic;

Hourly: 42 lbs (based on 300 lbs propellant or energetic)

Annual: 4200 lbs (based on 300 lbs propellant or energetic/day x 100 day/yr)

[District Rule 1320]

4. This facility shall not use more than 4,800 pounds of propellant/energetic per day, and no more than 30,000 pounds of propellant/energetic in any year (consecutive 12 month period).

[District Rule 1303 and 1320]

5. The owner/operator must maintain an operations log for this equipment. This log shall be maintained current, kept for a total of two (2) years and be provided to authorized personnel upon request. The log shall contain the following at a minimum:

a. Type, date and time of each test;

b. Amounts (pounds) and types of propellants/energetics used in each test; and

c. Hourly and annual (12 month) summary of HCl emissions from tests. District approved emission factors must be used in emission calculations.

[District Rule 204]

6. When in use the solid particle grinder associated with this facility must be sealed and when emptied exhaust only to a proper functioning air pollution control device with valid District Permit C014532.

[District Rules 204 and 1302]

7. 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, and 40 CFR 51, Subpart A]