



## 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

C015137

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:

FUME HOODS, ROCKET PROPELLANT OXIDIZER MANUFACTURING PROCESS LINE consisting of: A synthesis reaction process consisting of: a reaction vessel, gas mixing coils, gas supply plumbing and flow control valves; Gas cylinders containing Dry Chlorine gas (Cl<sub>2</sub>), Dry Nitric Oxide (NO), Nitrogen (N<sub>2</sub>) and Oxygen (O<sub>2</sub>); an Ozone (O<sub>3</sub>) generator. The process is housed in two fume hoods connected in parallel to an exhaust fan and stack vented to the atmosphere.

#### EQUIPMENT

| Capacity | Equipment Description   |
|----------|---|
| 0        | Fume hood 1: Sentry Air Systems Inc., Model #SS-340-DSH; Dimensions: 40 inches W x 36 inches H x 24 inches D.                 |
| 0        | Fume hood 2: Flow Sciences Inc., Model #FS2220, Serial no. 08-L-05-01. Dimensions: 20 inches W x 30 inches H x 26.4 inches D. |
| 0        | Exhaust Blower: NGW J483-4A-4712 1/20 HP, 465 CFM   |
| 0        | Ozone Generator: Ozone Solutions, Model TG-10 Ozone production rate: 10 grams per hour  |

#### CONDITIONS:

Fee Schedule: 1 (a)

Rating: 1 bhp

SIC: 8733

SCC: 30107001

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**  
**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(s) for this permit.  
[District Rule 1302]

2. This equipment configuration shall not be modified without prior approval from the District.  
[District Rules 204 and 1302]

3. The owner/operator (o/o) shall maintain a current, on-site operations log for this facility for a minimum of two (2) years, and shall provide the operations log to District personnel on request. The operations log shall, at a minimum, contain the information specified below:

- a. Cumulative monthly reagent gas consumption (for each gas, in cubic feet or pounds);
- b. Cumulative annual (calendar year summary) reagent gas consumption (in cubic feet or pounds);
- c. Cumulative annual (calendar year summary) reaction products generated (in pounds).

[District Rule 1302]

4. 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]