



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

C014534

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:

VAPOR SCRUBBING SYSTEM, VTS 3 consisting of: Two 275 gallon totes containing solutions to neutralize emissions from VTS 3 hypergolic fuel test stand under District Permit B014533.

EQUIPMENT

Capacity	Equipment Description
1	One 275 gallon sealed tote containing a 6% Disodium Phosphate/2% Monosodium Phosphate by weight in deionized water solution for the purpose of neutralizing nitrogen dioxide vapor releases.
1	One 275 gallon sealed tote containing a 3% hydrogen peroxide by weight in deionized water solution for the purpose of neutralizing hydrazine and methyl hydrazine vapor releases.

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 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**
Brad Poiriez
Executive Director

2. This equipment shall control oxidizer and fuel vapor emissions from and be operated concurrent with the Hypergolic Fuel Test Stand under valid District Permit B014533.

[District Rules 1302 and 1320]

3. The owner/operator shall conduct at a minimum weekly inspections of the vent lines, valves, seals, and appurtenant equipment to ensure there are no leaks. This system inspection shall include a weekly leak check using a portable/hand held hydrocarbon detector when fuel is present in the system.

[District Rule 1302]

4. 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. Safety Data Sheets of solutions;
- b. The amount of fuels and oxidizer treated in this system;
- c. Dates and amounts of solution change out;
- d. Results of all weekly system inspections as required by Condition 3; and
- e. Times and durations of malfunctions, a description of each malfunction, and the corrective action taken for each malfunction.

[District Rules 1302]

5. This equipment does not require regular emissions testing however testing may be required at District discretion.

[District Rule 1320]

6. In the event of a malfunction of any emissions related part of this scrubber, the Hypergolic Fuel Test Stand under District Permit B014533 must be shut down as soon as safely possible and shall not be restarted until all malfunctions have been corrected. Equipment breakdowns shall be reported to the District in accordance with District Rule 430.

[District Rules 430 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]