



**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**

B000744

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: AUGUST 2026**

**OWNER OF OPERATOR (Co. #83)**

USAF 412 CEG/CEVC  
120 N. Rosamond Blvd, Bldg. 3735 (Suite A)  
Edwards AFB, CA 93524

**EQUIPMENT LOCATION (Fac. #565)**

Air Force Research Laboratory  
Edwards AFB  
Edwards AFB, CA 93523

**Description:**

TEST STAND, ROCKET (COMPLEX 1-52) consisting of: Facility No. 9655 (Control Center and associated test stands, including 1-52A, 52B and 52C), designated for both liquid and solid rocket tests.

**CONDITIONS:**

1. United States Air Force and its agents, contractors and operators shall ensure that the construction and operation of this equipment is in compliance with all applicable provisions of state and federal air quality regulations.
2. The following testing limits shall not be exceeded, unless previously approved in writing by the District. For purposes of these limits, all test emissions at Complexes 1-36D, 1-52 and 1-56 shall be combined:
  - a. Maximum calendar day emissions:
    - i. Particulate - 58,500 pounds
    - ii. Carbon monoxide - 34,500 pounds
    - iii. Hydrogen chloride - 31,500 pounds
  - b. Maximum calendar year emissions:
    - i. Particulate - 332 tons
    - ii. Carbon monoxide - 192 tons
    - iii. Hydrogen chloride - 175 tons

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 9711

SCC: 20400201

Location/UTM(Km):  
443E/3858N

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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Edwards AFB, CA 93524

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

3. No test shall be performed using this equipment that results in a significant impact as defined in a District-approved rocket test evaluation handbook. In no case shall a test be performed that results in an impact greater than the public exposure limit or a violation of any state or federal ambient air quality standard.

4. No test shall be performed that is outside the testing parameter envelope defined within a District-approved rocket test evaluation handbook unless previously approved in writing by the District. No firing shall be conducted when winds are less than 5 knots per hour or greater than 30 knots per hour measured 12 feet above the surface, as determined by the closest PL Micronet System tower and/or the Base Meteorology Network, unless previously approved in writing by the District. No firing shall be conducted unless a decrease in ambient air temperature of at least one degree Fahrenheit is measured at 6 feet to 54 feet above the surface, as determined by the closest PL Micronet System tower and/or the Base Meteorology Network, unless previously approved in writing by the District.

5. The owner/operator (o/o) shall maintain current operational logs onsite for five (5) years. Such operational logs shall be provided to District personnel upon request, and shall contain at least the following information:

- a. Type, date and time of each test;
- b. Meteorological conditions for each test;
- c. Amounts (gallons or pounds) and types of fuels and/or reagents used in each test;
- d. Amounts (pounds) and types of energetic materials used in each test;
- e. Calendar daily and calendar annual summary of particulate, CO and HCl emissions from tests; and
- f. Results of District-approved handbook evaluation for each test, including calculation of annual average HCl impact for all tests at 1-36D, 1-52 and 1-56.

6. 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]