



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

14306 Park Avenue Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

**INACTIVE**

B002960

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: NOVEMBER 2000**

**OWNER OF OPERATOR (Co.#88)**

NAWS  
429 E Bowen Road - Stop 4014  
China Lake, CA 93555-6108

**EQUIPMENT LOCATION (Fac.#567)**

NAWCWD Test Stands  
429 E Bowen Road - Stop 4014  
China Lake, CA 935556108

**Description:**

MUNITIONS TEST STAND-LITHIUM BURN PLATFORM consisting of: at the K-2 Range at Knox Road, which is a platform of steel 50 feet square and is raised 3.5 ft above grade. This platform is designed to hold liquid fuels for fires. Included are a system to hold the munitions over the platform; a propane system, which ignites the fuel; and a fire suppressant system consisting of a sprinkler system, which flushes the platform and a fog nozzle system to change dispensing flow and positions.

**CONDITIONS:**

1. Testing at this site under this permit shall be limited to those described in the document entitled: "Test Plan and Safety Constraints for Lithium Fire Research K2 Range" and amended by memo dated July 26, 1991, and a letter dated October 23, 1991. These documents list about 25 tests in 6 different phases and delineated as follow:

Phase IA: Consists of 2 tests to verify that all systems are functioning correctly and uses only JP-5 and propane;

Phase I: Consists of 6 tests and uses only JP-5 and propane;

Phase II: Consists of 6 tests and uses JP-5, propane and 4 lb of lithium, Li;

Phase III: Consists of 4 tests and uses JP-5, an Mk-50 torpedo boiler load with 16 lb of Li;

Phase IIIA: Consists of 4 tests and uses propane, an Mk-50 torpedo boiler load with 16 lb of Li;

Phase IV: Consists of 2 tests and uses JP-5, propane, an Mk-50 torpedo boiler load with 16 lb of Li and aluminum chlorhydrate; and an afterbody with an empty oxidizer tank and 2 small expended thermal battery shells.

2. The owner/operator, o/o, shall be limited to one of the following 3 daily test schedules:

a. No more than 3 Phase IA, Phase I, Phase II and/or Phase IV tests during any one day, midnight to midnight;

b. No more than 2 Phase III and/or Phase IIIA tests during any one day, midnight to midnight; or

c. No more than 1 Phase IA, Phase I, Phase II or Phase IV and 1 Phase III or Phase IIIA tests during any one day, midnight to midnight.

Fee Schedule: 7 (b)

Rating: 1 device

SIC: 9711

SCC: 9999999

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**  
**Eldon Heaston**  
Air Pollution Control Officer

3. The o/o shall notify the District Engineering Section in writing (fax is acceptable) no sooner than 5 working days prior to conducting any of the tests described in 2. above.

4. The o/o shall submit a report to the District within 30 days of the completion of these tests. The report shall contain at least the following information:

- a. The date and time and duration of each test;
- b. The materials and their weights used in each test; and
- c. The general results of each test.

5. The maximum emissions of particulate matter from the combination of this permit unit and that of CT-3, valid District number B002908 and the Lithium Burn Test under valid District permit B002960 shall not exceed 250 lb/day.

6. To ensure compliance with the limit in condition 5. Above, the o/o shall prepare a daily emissions report on a District approved form, for both permit units CT-3, valid District number B002908 and the Lithium Burn Test under valid District permit B002960. The following factors shall be used in generating these reports of daily emissions:

Units of Emissions in

Permit Material Measure lb of PM/Unit

B002908 Propellant 100 lb 0.50

B002960 Li lb 3.43

JP-5 gal 0.005

propane gal 0.0003

7. This equipment shall be operated and maintained in strict accord with the document cited in condition 1. above, Regulation 040 and/or sound engineering principles.