



**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**

B003316

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: NOVEMBER 2026**

**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:**

STEAM BOILER NUMBER 21, NATURAL GAS FIRED (AREA R, BLDG 30851) consisting of: A 2.37 MMBtu per hour Natural Gas fired Cleaver-Brooks firetube boiler, model Clearfire CFH and serial number MB1742, equipped with a low-NOx burner, an oxygen trim system, and a Flue Gas Recirculation (FGR) system.

**EQUIPMENT**

Capacity	Equipment Description
2.36	Steam Boiler (2.36 MMBtu/hr)
0.0008	Combustion Air Blower/Fan (0.3 hp)
0.0077	Feed Water Pump motors (2 @ 1.5 hp)
0.0038	Condenser Pump motors (2 @ 0.75 hp)

**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 204; 40 CFR 63, Subpart DDDDD: 63.7500]

Fee Schedule: 2 (c)

Rating: 2370000 Btu

SIC: 9711

SCC: 10500206

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

2. This boiler shall only be fueled with utility grade natural gas and shall be equipped with a meter measuring fuel consumption in standard cubic feet.

[District Rules 204 and 1303]

3. This boiler must be tuned up at least once every five (5) years. The first such tune up must be conducted no later than 07/31/2016.

[District Rule 204; 40 CFR 63.7495; 40 CFR 63.7540(a)(12)]

4. The owner/operator shall maintain an operations log for this boiler current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

(a) Monthly operation in terms of total fuel burned;

(b) Rolling consecutive twelve-month period operation in terms of total hours;

(c) Maintenance and repair actions conducted on the boiler, burner, oxygen trim, and Flue Gas Recirculating systems; and

(d) Results of all boiler tune-ups and tests.

[District Rule 204; 40 CFR 63.10(b)]

5. This boiler shall not be operated for more than 8,345 hours in any consecutive twelve month period.

[District Rules 204 and 1303]

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]