



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

B001074

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 NO. 1, NATURAL GAS FIRED (SALT WELLS BOILER PLANT #4, BLDG 14530) consisting of: A 16.329 MMBtu per hour natural gas fired Cleaver Brooks firetube boiler, model # CBEX-700-400-200ST, serial number T8157-1-1, equipped with an integral LNO (Low NOx and Oxygen) Series Burner and a Continuous Oxygen Trim System.

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]
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 unit shall not operate simultaneously with the equipment described in District permit M014333 except during start-up of one unit and ramp-down/shut-down of the other. [District Rule 1302]

Fee Schedule: 2 (e)

Rating: 16329000 Btu

SIC: 9711

SCC: 10300602

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

4. Beginning no later than 3/1/2023, a statement of the heat input for the previous calendar year shall be submitted to the District by March 1 each year.

[District Rule 1157.1 and 1302]

5. The operator shall maintain a log for this equipment, which at a minimum contains the information specified below. This log shall be maintained current and on-site for a minimum of five years and shall be provided to District personnel upon request:

- a. Monthly fuel use in cubic feet;
- b. Cumulative rolling twelve month period fuel use in cubic feet;
- c. Fuel certification (sulfur concentration); and
- d. Results of all Boiler Tune-ups.

[District Rule 1157.1 and 1303; 40 CFR 70.6(a)(3)(ii)(b); 40 CFR Part 60 Subpart Dc: 60.48c, 40 CFR 63.7550]

6. Pollutant emission rates (concentrations) at full load shall be limited to 9 ppmvd NO_x and 50 ppmvd CO, corrected to 3% oxygen. An initial compliance test shall be performed in accordance with District Rule 1157.1(F). Records of the initial source test for this boiler shall be kept on file to demonstrate compliance.

[District Rules 204, 1157.1 and 1303]

7. Beginning no later than 12/31/2023, if the Annual Heat Input threshold of 50,000 MMBtu for a calendar year is exceeded, emissions testing will be required not less than once every 24 months in accordance with District Rule 1157.1.

[District Rules 1157.1 and 1302]

8. Beginning no later than 12/31/2023, this boiler shall be tuned not less than once every 12 months in accordance with District Rule 1157.1. In a year when emissions testing is performed in accordance with District Rule 1157.1, a tune-up is not required to be performed.

[District Rule 204, 1157.1 and 1302]

9. 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]