



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

B001075

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: 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. 14, NATURAL GAS FIRED (SALT WELLS BOILER PLANT #4, BLDG 14530) consisting of: An 11.34 MMBtu per hour Natural Gas fired Cleaver-Brooks firetube boiler, model CBLE700-270-150ST and Serial Number TBD, with a Continuous Oxygen Trim System installed.

EQUIPMENT

Capacity	Equipment Description
11.34	steam boiler
0.06375	Combustion Air Blower/Fan motor
0.03825	Feedwater Pump motor

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 (e)

Rating: 11442000 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**
Brad Poiriez
Executive Director

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. Beginning no later than 12/31/2023, 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]

4. 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 1303; 40 CFR 70.6(a)(3)(ii)(b); 40 CFR Part 60 Subpart Dc: 60.48c, 40 CFR 63.7550]

5. Pollutant emission rates (concentrations) at full load shall be limited to 9 ppmvd NO_x and 50 ppmvd CO, corrected to 3% oxygen. Records of the initial source test for this boiler shall be kept on file to demonstrate compliance.

[District Rules 204, 1157.1 and 1303]

6. 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]

7. 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]

8. This facility has elected to voluntarily limit its emissions to the extent that this facility is no longer subject to the provisions of Regulation XII - Federal Operating Permits [District Rule 221(B)]. As such, the facility-wide emissions must be less than the following limitations in each calendar year:

- (a) 80 tons per year of Carbon Monoxide (CO)
- (b) 25 tons per year of Oxides of Nitrogen (NO_x) [More stringent limit is offset based]
- (c) 25 tons per year of Volatile Organic Compounds (VOC) [More stringent limit is offset based]
- (d) 15 tons per year of Particulate Matter of 10 microns or less (PM₁₀) [More stringent limit is offset based]
- (e) 10 tons per year of Hydrogen Sulfide (H₂S) [More stringent limit is offset based]
- (f) 25 tons per year of Oxides of Sulfur (SO_x)
- (g) 0.5 tons per year of Lead (Pb)
- (h) 8 tons per year of any single Hazardous Air Pollutant (HAP)
- (i) 20 tons per year of any combination of HAP

Compliance with these emission limitations must be verified by pollutant-specific emission summaries for each calendar year. These emission summaries must be retained on-site for a minimum of five (5) years; and, must be made available for review upon request by District, State, and/or Federal personnel.

[District Rules 221(B), 1201(S) and 1303(B) - basis: offsets for NO_x, VOC, PM₁₀ and H₂S only]

For the purposes of implementation of the Title I (Part D) Nonattainment New Source Review (nonattainment NSR), Title I (Part C) Prevention of Significant Deterioration (PSD), and Title V Operating Permit Programs under the Clean Air Act, Facility refers to a stationary source, or group of stationary sources that are located on one or more contiguous or adjacent properties that are owned, operated, supervised, or controlled by one or more Department of Defense (DoD) component(s) that were disaggregated during the course of major source determination(s), based upon appropriate industrial groupings and support facility relationships. Compliance with these limits shall be demonstrated through the submission of an installation-wide Comprehensive Emission Inventory (CEI) for all emitted regulated air pollutants or any pollutant listed under section 112(b) of the Clean Air Act (including 12 month emissions

summary). Exceedance of these emission limits may trigger offsets, BACT, and/or require submission of a Title V permit application. [District Rules 1302 and 1303, 40 CFR 51.165, 40 CFR 52.21(b), 40 CFR 70.2 and "Major Source Determinations for Military Installations under the Air Toxics, New Source Review, and Title V Operating Permit Programs of the Clean Air Act," memorandum from John S. Seitz, Director, Office of Air Quality Planning and Standards, (August 2, 1996)]

9. A Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants located at this military installation (including, but not limited to, MDAQMD Facility nos. 567, 4650, 4651, 4652 and 4653) must be submitted to the District, in a format approved by the District, upon District request. For the purposes of CEI, Facility is defined as every structure, appurtenance, installation, and improvement on land which is associated with a source of air releases or potential air releases of a hazardous material. [District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]