



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B003957

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: SEPTEMBER 2021

OWNER OF OPERATOR (Co.#22)

BNSF Railway Company
740 East Carnegie Drive
San Bernardino, CA 92408

EQUIPMENT LOCATION (Fac.#236)

BNSF Railway Co - Barstow
200 North Avenue H
Barstow, CA 92311

Description:

BOILER consisting of: a Hurst Firetube boiler, model S4-C-400-150, three pass Wetback design, which is rated at 16.24 million Btu/h (to produce 13,800 lb of steam/hour), and with the following salient features: a CSI low NOx burner, which fires natural gas; an Induced flue gas recirculation draft fan rated at 10 hp; a Kentube Economizer; and a TACO Blowdown Heat Exchanger. Equipment elevation is 2154 feet above sea level.

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 Rules 1302(C)(2)(a)]

2. This unit shall be limited to using PUC-Regulated Pipeline quality Natural Gas for fuel. Furthermore, this boiler shall be served by a gas meter dedicated to this unit alone. [District Rules 1302 and 1520]

3. The first time this boiler exceeds the 50,000 MMBtu/Year low annual heat input limit as defined in District Rule 1157(B)(1)(h), the owner/operator must submit an Emissions Control Plan in accordance with District Rule 1157(B)(1)(c).

Furthermore, this unit shall meet the following emission limits when the annual heat input is greater than or equal to 50,000 MMBtu (corrected to 3% oxygen):

- a. CO: Less than 400 ppmv; and
- b. NOx: Less than 30 ppmv and/or 0.036 lbs/MMBtu of heat input.

This equipment shall be tested to determine compliance with these limits through emission compliance testing according to Rule 1157(F).

Fee Schedule: 2 (e)

Rating: 16200000 Btu

SIC: 4013

SCC: 10200602

Location/UTM(Km): 493E/3861N

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.

BNSF Railway Company
740 East Carnegie Dr

San Bernardino, CA 92408-3571

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

[District Rule 1157(B)(1)(c) and 1157(C)(3)]

4. During calendar years when this equipment is a low annual heat input unit as defined in District Rule 1157(B)(1)(h), it must meet one of the following:

- (i) be operated in a manner that maintains stack-gas oxygen (O₂) concentrations at less than or equal to 3.0 percent by volume on a dry basis; or
 - (ii) be operated with a stack-gas oxygen trim system set at 3.000.15 percent oxygen by volume on a dry basis; or
 - (iii) be tuned at least annually in accordance with the procedure described in Section (I) of District Rule 1157, a modification of the tuning procedure described in Section (I) of District Rule 1157 as approved by the APCO, CARB and USEPA, or the permit unit manufacturer's specified tune-up procedure; or
 - (iv) be operated in compliance with the applicable emission levels specified in District Rule 1157(C)(3)(a).
- [District Rule 1157(C)(3)]

5. The owner/operator shall maintain a current, on-site (at a central location if necessary) operations log for this equipment for three (3) years, which shall be provided to District, State or Federal personnel upon request. This log shall include, as a minimum, the following information:

- a. Monthly fuel usage, in MMSCF or MMBtu;
 - b. Calendar year (twelve month) fuel usage, in MMSCF or MMBtu;
 - c. Dates and results of annual tune-ups or source tests, as appropriate; and
 - d. Results of all inspections, repairs, and maintenance actions, as occurring.
- [District Rule 1302]

6. A statement certifying the total heat input for this boiler for the previous calendar year shall be submitted to the District no later than March first each year. The District's default value for the High Heating Value of natural gas is 1020 Btu/scf. This statement may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rule 1157(E)(2)(a)]

7. 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]