



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

B005329

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: SEPTEMBER 2026

OWNER OF OPERATOR (Co.#1200)

Federal Bureau of Prisons - Victorville
13289 Air Base Road
Victorville, CA 92394

EQUIPMENT LOCATION (Fac.#2082)

Federal Bureau of Prisons (FCI-I)
13777 Air Expressway Blvd
Victorville, CA 92394

Description:

BOILER, NATURAL GAS (FCI1-1) consisting of: Unilux hot water boiler, Model Number ZF 2000 W, Serial Number 2220, equipped with flue gas recirculation and a Power Flame Nova Plus Ultra Low NOx Burner Model NVACR6-GO-30 (max 9 ppmv NOx @ 3% oxygen on natural gas), rated at 9.9 MMBtu/hr of heat input, providing water and space heating at Federal Correctional Institution - I. This unit can fire on #2 diesel under natural gas curtailment emergency only.

EQUIPMENT

Capacity	Equipment Description
9.9	Unilux Boiler (9.9 MMBtu/hr)
0.19	Circulation Pump M3391-A11A260R102M (75 hp)
0.19	Circulation Pump M339A-A12A260R124M (75 hp)
0.19	Circulation Pump M339A-A11A260R102M (75 hp)
0	

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or in a manner consistent with safety and good air pollution control practices for minimizing emissions.

Fee Schedule: 2 (d)

Rating: 9900000 Btu

SIC: 9223

SCC: 10300602

Location/UTM(Km):
467E/3825N

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.

Federal Bureau of Prisons - Victorville
PO Box 5400
Adelanto, CA 92301

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

Furthermore, operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued.

[District Rule 1302(C)(2)(a)]

2. The owner/operator (o/o) shall not use diesel fuel whose sulfur concentration exceeds 0.05% on a weight per weight basis in this equipment. This limit may be complied with through the fuel supplier's certification of sulfur content.

[District Rules 1157 and 1303]

3. The o/o 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 two (2) years and shall be provided to District personnel on request:

- a. Daily fuel use of each type of fuel;
- b. Cumulative annual fuel use of each type of fuel;
- c. Diesel fuel sulfur concentration certifications; and
- d. Records of annual tune-ups or source tests as applicable.

[District Rule 1302(C)]

4. This unit may be fired on liquid fuel for testing or during curtailment of natural gas supply only. Testing on liquid fuel is limited to 12 hours per calendar year.

[District Rule 204, NESHAP for Area Source Boilers - 40 CFR 63.11237 (definition of "Gas-fired boiler")]

5. The boilers with valid District permits B005329 and M005330 represent two identical boilers, one of which is a standby unit. No more than one of the boilers covered by these permits can be operated simultaneously for any reason.

[District Rule 1302(C)]

6. Not later than 180 days after startup with the new Power Flame Nova Plus burner in place, the o/o shall perform a NO_x and CO compliance test on this equipment in accordance with the District Compliance Test Procedural Manual. The test will demonstrate compliance with the NO_x and CO limits set forth in Rule 1157.

[District Rule 1303]

7. Prior to the expiration date each year, the o/o shall either perform a NO_x and CO compliance test, or have this equipment tuned, as specified by Rule 1157. A tune-up may be performed in lieu of a compliance test during those permit years when the annual heat input to this unit (combining B005329, M005330 and B008336 fuel use) does not exceed 50,000 MMBtu per year. Should the aggregate fuel use of the three boilers reach 50,000 MMBtu/year or more, a compliance test will be required not less than every twelve (12) months commencing when the fuel usage reaches the 50,000 MMBtu/year threshold.

[District Rule 1157]

8. 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]