



## 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

B008336

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 2024**

#### 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 (FCI1-3) consisting of: One Universal Boiler Works Model BF150W4, Serial # 15824 hot water boiler, rated at 6.28 MMBtu max heat input (natural gas with diesel and fuel oil backup), with one American Combustion Technologies Model ACT04G-SLE super low NOx burner (max 12 ppm NOx at 3% oxygen content on natural gas), providing water and space heating at the First Federal Correctional Institution (FCI-I). This unit can fire on liquid fuel under natural gas curtailment emergency only.

#### **EQUIPMENT**

Capacity	Equipment Description
62.8	Boiler (6.28 MMBtu/hr)

#### **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. 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)]

Fee Schedule: 2 (d)

Rating: 6280000 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**  
**Brad Poiriez**  
Air Pollution Control Officer

2. This boiler shall only be fired on pipeline regulated natural gas.

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

3. This equipment 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")]

4. The owner/operator shall not use diesel fuel whose sulfur concentration exceeds 0.05% on a weight per weight basis in this equipment this limit is 0.5% for other liquid fuel). This limit may be complied with through the fuel supplier certification of sulfur content.

[District Rule 431]

5. The owner/operator shall maintain an operations log for this equipment on-site and current for a minimum of two (2) years, and shall be provided to District personnel on request. The operations log shall include the following information at a minimum:

- a. Total operating time in hours per month and total operating time in hours per running consecutive 12 month period;
- b. Total fuel consumed, in gallons or Standard Cubic Feet, per month and per running consecutive 12 month period;
- c. Description of all repairs done to the boiler or the burner unit; and
- d. Results of all boiler source tests and tune-ups.

[District Rule 1302(C)]

6. Not later than 180 days after initial startup, the operator shall perform an initial compliance test on this equipment in accordance with the District Compliance Test Procedural Manual. This test shall demonstrate that this equipment does not exceed 12 ppmvd NO<sub>x</sub> as NO<sub>2</sub> @ 3% oxygen at its maximum natural gas firing rate. This equipment does not require subsequent compliance tests so long as the three boilers with permits B005329, B008336 and M005330 qualify in combination as a "Low Annual Heat Input Permit Unit" as defined by Rule 1157 (<50,000 MMBtu/yr). 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 Rules 1157 and 1303]

7. This equipment shall be tuned (as required by Rule 1157) not less frequently than once every 12 months.

[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]