



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

C005333

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: APRIL 2002

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:

SELECTIVE CATALYTIC NOX REDUCTION SYSTEM consisting of: Emission control device employing the introduction of ammonia into boiler exhaust gas stream. System accepts exhaust gases from two boilers (B005329 and B005330). Manufactured by CRI Catalyst, Inc., item number 700160 01, with a 1.53 cubic meter reaction zone (catalyst unit weighs 3160 kg filled). System includes an Eclipse Combustion 2 MMBtu/hr (max) duct heater, Model BL14DABAR, Serial 00-2112 V1.1 for supplementary catalyst heating, and a 25 hp AirTech Fan Corp exhaust fan.

CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of its manufacturer or supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
3. This equipment shall be operated concurrently with the boilers issued valid permits B005329 and B005330.
4. Ammonia shall be injected whenever the selective catalytic reduction system has reached or exceeded the manufacturer's minimum recommended operating temperature except for periods of equipment malfunction. Except during periods of startup and shutdown, ammonia slip shall not exceed 5 ppmv dry at 3% oxygen. Compliance with this condition shall be demonstrated with CEMS and CERMS data.

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 9223

SCC: 10300603

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

5. Ammonia injection by this equipment in pounds per hour shall be recorded and maintained on site for a minimum of two (2) years and shall be provided to District personnel on request.

6. At no time shall this equipment emit NO_x at a rate exceeding 12 ppmv dry at 3% oxygen. Compliance with this limit shall be demonstrated with CEMS and CERMS data.

7. Emissions of NO_x, O₂ and ammonia slip from this equipment shall be monitored using a Continuous Emissions Monitoring System (CEMS). The stack gas flow rate shall be monitored using a Continuous Emission Rate Monitoring System (CERMS). The operator shall install, calibrate, maintain and operate these monitoring systems according to an District-approved monitoring plan and District Rule 218, and they shall be installed prior to operation. CEMS and CERMS shall meet the following acceptability testing requirements from 40 CFR 60 Appendix B:

- a. Performance Specification 2 for NO_x;
- b. Performance Specification 3 for oxygen;
- c. Performance Specification 6 for stack gas flow rate; and,
- d. District approved procedure that is to be submitted by the o/o for ammonia.

8. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.

9. Not later than 180 days after initial startup, the operator shall perform an initial compliance test. This test shall demonstrate that this equipment is capable of operation in compliance with conditions 4 and 6 and shall certify the CEMS and CERMS.