



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B013647

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2023

OWNER OF OPERATOR (Co. #2710)

HPS Mechanical, Inc.
3100 E. Belle Terrace
Bakersfield, CA 93307

EQUIPMENT LOCATION (Fac. #3986)

HPS Mechanical - NAWS
NAWS - China Lake
China Lake, CA 93555-6108

Description:

EMERGENCY TEMPORARY BOILER, NATURAL GAS (SALT WELLS BLDG 14530) consisting of: A Cleaver-Brooks model CBR-200-350-250 natural gas fueled boiler, serial number OL107256, equipped with one 14.431 MMBtu Low-NOx burner, an Oxygen Trim System, and a Flue Gas Recirculation System. This boiler can produce up to 12,075 pounds of 125 psig steam per hour and consumes a maximum of 12,552 SCF of natural gas per hour per manufacturer's specifications. Exhaust flow is 2,861 dscfm / 5518 acfm through a 14 foot tall by 20 inch diameter stack. The following emissions are based on Manufacturer's published specifications and assume operating at 100% load for 8760 hours per year: // Pollutant // Emission Factor // Max Hourly (lbs) // Max Daily (lbs) // Max Yearly CO // 50 ppmvd // 0.54 // 12.96 // 4730 NOx // 9 ppmvd // 0.15 // 3.6 // 1314 SOx // 0.34 ppmvd // 0.0085 // 0.204 // 74.5 NMHC // 8 ppmvd // 0.051 // 1.224 // 446.8 PM10 // 0.0075 lb/MMBtu // 0.108 // 2.6 // 948 PM2.5 // 0.0075 lb/MMBtu // 0.108 // 2.6 // 948 ===

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 1302]

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 or therms.
[District Rules 406, 431, and 1303]

3. 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; and

Fee Schedule: 2 (e) Rating: 14431000Btu SIC: 3433 SCC: 10300602 Location/UTM(Km): 440E/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.

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By: **COPY**
Brad Poiriez
Air Pollution Control Officer

c. Fuel certification (sulfur concentration)

Furthermore, this information shall be provided to NAWS for each month of operation for inclusion in their Comprehensive Emissions Inventory.

[District Rule 1303]

4. 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 manufacturer's certification for this boiler shall be kept on file to demonstrate compliance. Although the District does not currently require periodic source testing of this boiler, such testing may be required in the future.

[District Rule 1303]

5. This boiler shall not operate at the Salt Wells Building 14530 area for more than 180 days past the date of arrival onsite to remain exempted from 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The owner/operator shall notify the District immediately upon determining the boiler will be operated past the 180 day limit as additional permit conditions will be required. Furthermore, in no case shall this boiler operate at the Salt Wells Building 14530 area for more than 365 days past the date of arrival onsite.

Due to the unforeseen emergency of the 2019 earthquake Deputy Director, Alan De Salvio, has allowed the use of this equipment for earthquake-related damages until repairs have been made, or permitting of long term equipment has been established.

[40 CFR 60, Subpart Dc; Rule 1302]