



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B013384

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: JUNE 2024

OWNER OF OPERATOR (Co.#2502)

Castle Mountain Venture
980 American Pacific Dr., Suite 102
Henderson, NV 89014

EQUIPMENT LOCATION (Fac.#3896)

Castle Mountain Mine
115575 Hart Mine Road
Ivanpah, CA 92364

Description:

DIESEL FIRED HOT WATER HEATER consisting of: Manufactured by Precision Boiler, Model FPH-58-72, Serial No. TBD, Diesel fired Reallo Burner, Model RL 100M, with maximum heat input rating 3 MMBtu/hr, max hourly fuel rating 21.7 gal. Stack Data; H: 50 ft Temp: 250-400 F Volume: 1875 ACFM Diam: 14" This unit serves the ADR process, utilized for inputting heat into the elution circuit.

CONDITIONS:

1. This equipment, including any associated air pollution control equipment and monitoring equipment, shall be installed, operated, and maintained in strict accord 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; 40 CFR 63.11205]

2. This equipment is limited to the use of CARB diesel fuel only.?

[District Rule 1302; District Rule 431; 40 CFR 63.11225(g)]

3. This hot water heater is subject to the requirements of 40 CFR 63, subpart JJJJJJ - NESHAP for Industrial, Commercial, and Institutional Boilers Area Sources, and pursuant to the federal regulation, this unit is required to meet the following management practice standards:

(a) Conduct a tune-up of the boiler every 5 years (within 61 months of initial startup) as specified in ?63.11223.

[40 CFR 63.11223]

Fee Schedule: 2 (c)

Rating: 3000000 Btu

SIC: 1041

SCC: 10300501

Location/UTM(Km):
672E/3905N

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.

Castle Mountain Venture
980 American Pacific Dr.

Henderson, NV 89014

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

4. This hot water heater must be equipped with an hour meter which is properly maintained to account for all hours of operation.
[District Rule 1302]

5. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location), for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Annual fuel usage (in gallons);
- b. The date and a summary of each tune-up;
- c. Fuel sulfur concentration (may use the fuel supplier's certification of sulfur content if it is maintained as part of this log); ? ? ? ?
- d. Records of the occurrence and duration of each malfunction of the boiler; ?
- e. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions as required by condition 1 above, including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation.

[District Rules 1320 and 431; 40 CFR 63.11225(c) and (d)]

6. 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]