



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

**INACTIVE**

B014372

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: JUNE 2023**

### **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 IC ENGINE, PORTABLE TEMPORARY GENERATOR #1, ORE AGGLOMERATION MAIN PLANT consisting of: Engine Model Year 2012, EPA Tier 4i, Engine Family CCPXL27.0HYA, CARB EO U-R-001-0443, engine kW 900. Stack Data Height: 14 ft Diameter: 1 ft Flow Rate: 5351 ACFM Temperature: 944 F Fuel consumption 40.8 gallons/hr @ 75% load.

One Caterpillar, Diesel fired internal combustion engine Model No. C27 and Serial No. CAT00C27LT4Z00218, After Cooled, Turbo Charged, Direct Injected, Exhaust Gas Recirculation, Exhaust Gas Recirculation, producing 1207 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 58.1 gal/hr. This equipment powers a Caterpillar Generator Model No. C 27 and Serial No. TBD, rated at 725 kW.

#### **EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	0.6	gm/Kw-hr
NOx	3.0	gm/Kw-hr
PM10	0.05	gm/Kw-hr
SOx	0.0061	gm/Kw-hr
VOC	0.14	gm/Kw-hr

#### **CONDITIONS:**

Fee Schedule: 1 (d)      Rating: 1207 bhp      SIC: 1041      SCC: 20100102      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

1.This certified Tier 4 Interim compression-ignited internal combustion engine and its associated emission control systems 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 air 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(C)(2)(a)]

2.This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.

[Title 17 CCR 93116.3(a)]

3.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

[District Regulation XIII - NSR; Title 17 CCR 93116.4(c)(2)(A)]

4.Permit units B014372 and B014373 are temporary and shall not operate after permit units B014369, B014370, and B014371 are installed. Owner/operator shall maintain a record of the date of each engine replacement.

[District Rules 1302, 1303, and 1320]

5.Permit units B014372 and B014373 shall not operate at this facility for more than 2,190 hours each. Owner/operator shall maintain records of hours operated at this facility to demonstrate compliance with this condition.

[District Rule 1302]

6.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. Date and location of initial operation at this facility;
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Date of each maintenance action or repair;
- d. Fuel sulfur concentration as required by condition #2 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Regulation XIII - NSR]

7.This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[District Rule 1302 and Title 17 CCR 93116]

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]