MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park AvenueVictorville,CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

RENEWAL

C013387

Renewal type Permit has no description information.

EXPIRES LAST DAY OF:JUNE 2025

OWNER OF OPERATOR (Co.#2502)

Castle Mountain Venture
980 American Pacific Dr., Suite 102
Henderson,NV89014

EQUIPMENT LOCATION (Fac.#3896)

Castle Mountain Mine
115575 Hart Mine Road
Ivanpah,CA92364

Description:
FURNACE CARBON SCRUBBER consisting of:Filter Technology, Model 9'-6" x 15' Carbon Bed Mercury Scrubber, Serial No. TBD, 99 % control efficiency, adsorbent is sulfur impregnated carbon pellets, carbon bed dimensions 92" thickness and 142.5 SQFT. Stack Data H: 8 ft above roof line D: 30 inch Temp: 149 F Flow Rate: 8550 DSCFM

CONDITIONS:

1.At all times, the owner/operator must operate and maintain this equipment, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.
[District Rule 204; 40 CFR 63.11646(b)]

2.This equipment shall operate at all times when the Furnace Exhaust Scrubber is operating.
[District Rule 1320; 40 CFR 63.11646(b)]

3.The owner/operator shall monitor the carbon adsorption columns, furnace carbon scrubber, and kiln carbon scrubber for mercury emissions using Method 30B or sampling of the carbon in the carbon bed for mercury. Sampling and analysis shall be carried out in accordance with 40 CFR 63.11647(f)(1) or (f)(2).
[40 CFR 63.11647]

4.The owner/operator shall monitor gas stream temperature at the inlet to the carbon adsorber and establish a maximum value for the inlet temperature either during the annual performance test (required in §63.11646(a)), according to the manufacturer's specifications, or as approved by the District. If the owner/operator chooses to establish the temperature operating limit during the performance test, establish the temperature operating limit based on either the highest reading during the test; or, at 10 degrees Fahrenheit higher than the average temperature measured during the performance test. The owner/operator must receive written approval from the District

Fee Schedule:7 (h) Rating:1device SIC:1041 SCC:30301301 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,NV89014

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

prior to re-establishing the operating limits.
[40 CFR 63.11647(g)]

5.The owner/operator shall monitor the inlet temperature once per shift. If an inlet temperature exceeds the temperature operating limit, the owner/operator must take corrective actions to get the temperature back within the parameter operating limit within 48 hours. If the exceedance persists, within 144 hours of the exceedance, the owner/operator must sample and analyze the exhaust stream from the carbon adsorber using Method 30B (40 CFR part 60, appendix A-8) and compare to an operating limit (calculated pursuant to (f)(1)(i)); or, the owner/operator must conduct carbon sampling pursuant to (f)(2) of this section. If the concentration measured with Method 30B is below 90 percent of the operating limit, or the carbon sampling results are below 90 percent of the carbon loading capacity, the owner/operator may set a new temperature operating limit 10 degrees Fahrenheit above the previous operating limit or at an alternative level approved by the District. If the concentration is above 90 percent of the operating limit or above 90 percent of the carbon loading capacity the owner/operator must change the carbon in the bed within 30 days and report the event to the District, and reestablish an appropriate maximum temperature limit based on approval of the District.
[40 CFR 63.11647(g)]

6.The owner/operator may conduct additional compliance tests according to the procedures in §63.11646 and re-establish the operating limits required in paragraphs (a) through (c) and (f) through (h) of 63.11647 at any time. The owner/operator must submit a request to the District for approval to re-establish the operating limits. In the request, the the owner/operator must demonstrate that the proposed change to the operating limit detects changes in levels of mercury emission control. An approved change to the operating limit under this paragraph only applies until a new operating limit is established during the next annual compliance test.
[40 CFR 63.11647(i)]

7.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. Inlet temperature established value;
b. Date and time of each inlet temperature recording;
c. Date of each carbon replacement; and
d. Results of each compliance test.
[District Rule 1302; 40 CFR 63.11648]

8.The owner/operator shall provide stack sampling ports and platforms necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval.
[District Rule 217]