



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

C013389

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 2025

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:

KILN 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 SQ.FT. Stack Data H: 8 FT above roof line Temp: 80 F Flow Rate: 8550 acfm Diam: 47.25 inch

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. The following processes shall all vent to this unit; electrowinning cell off gas discharge, kiln off gas discharge (following treatment in Venturi scrubber), strip solution tank vent, electrowinning discharge (return) tank vent, and retort area hood.
[District Rule 1302; 40 CFR Part 63, Subpart EEEEEEE]

3. The owner/operator shall monitor the carbon adsorption columns, furnace carbon scrubber, and retort 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

Fee Schedule: 7 (h) Rating: 1 device 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, NV 89014

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

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 prior to re-establishing the operating limits.

[40 CFR 63.11647(g)]

5. 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 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)]

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. 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]

7. 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]