



## 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

C013388

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:

FURNACE EXHAUST SCRUBBER consisting of: Filter Technology, Model O48" Scrubber, Serial No. TBD, equipped with 6 water spray nozzle, concurrent flow, nozzle pressure 25-30 psig, 14 gpm, 97% control efficiency. Scrubber dimensions 54 H x 1753 sq. in. Stack Data Ducted to vapor pack Temp: 80 F Flow Rate: 6562 dscfm Diam: 47.25 inch

#### CONDITIONS:

1. The owner/operator shall install, operate and maintain this permit unit in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.  
[District Rule 204]

2. This equipment shall operate concurrent with the induction furnace under District Permit B013383.  
[District Rule 1302]

3. This equipment shall only vent through the furnace carbon scrubber under District Permit C013387.  
[District Rule 1302]

4. A flow meter, of appropriate range, shall be installed and maintained (including calibration) in accordance with manufacturers specification.  
[District Rule 1302]

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

5. When in operation, the minimum water flow rate is 2.5 gpm and the pressure drop shall be maintained within 4 and 10 inches water column. As an alternative, the owner/operator shall establish a minimum value as the operating limit for water flow rate (or line pressure) and pressure drop either during the performance test required in §63.11646(a), according to the manufacturer's specifications, or as approved by the District.  
[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. Daily pressure differential recording;
- b. Monthly water flow meter recording; and
- c. Annual inspection of spray nozzle(s) and spray nozzle system.

[District Rule 1302]