



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

C012086

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: FEBRUARY 2027

OWNER OF OPERATOR (Co.#2349)

MP Mine Operations LLC
67750 Bailey Road
Mountain Pass, CA 92366

EQUIPMENT LOCATION (Fac.#364)

Mountain Pass Mine
67750 Bailey Road
Mountain Pass, CA 92366

Description:

HARD LEACH VENTURI SCRUBBER consisting of: Venturi Scrubber and associated equipment.

EQUIPMENT

Capacity	Equipment Description
0	D20-EJ550 Hard Leach Venturi Scrubber
0	D20-TK551 Hard Leach Venturi Scrubber Dump Tank
0	D20-P552 Venturi Scrubber Circulation Pump #1
0	D20-P553 Venturi Scrubber Circulation Pump #2
0	D20-F554 Venturi Scrubber Water Filter #1
0	D20-F555 Venturi Scrubber Water Filter #2
0	D20-SSE560 Hard Leach Final Scrubber

CONDITIONS:

1. This equipment 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 contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 1099

SCC: 30504099

Location/UTM(Km):
634E/3926N

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.

MP Mine Operations LLC
1700 S. Pavilion Center Drive, 8th Floor
Las Vegas, NV 89135

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

[District Rule 1302]

2. This equipment shall be operated concurrently with the Hard Leach Process Equipment under valid permit B012087 and shall be subsequently routed to the Leach Caustic Scrubber under District Permit C014254.

[District Rules 1302 and 1320]

3. A flow meter, of appropriate range, shall be installed and maintained (including calibration) in accordance with manufacturers specification.

[District Rule 1302]

4. When in operation, the minimum water flow rate is 85 GPM. Water flow shall be recorded daily.

[District Rule 1302]

5. In the event of a malfunction of any emissions related part of this scrubber, the Leach Thickening and Filtration System under District permit B012087 must be shut down as soon as safely possible and shall not be restarted until all malfunctions have been corrected. Equipment breakdowns shall be reported to the District in accordance with District Rule 430.

[District Rules 430 and 1302]

6. Actual missions from this facility shall be less than the following:

a. 42 tons per year of NO_x [Rule 1303(B)]

b. 46 tons per year of PM₁₀ [Rule 1303(B)]

c. 25 tons per year of VOC

d. 25 tons per year of SO_x

e. 100 tons per year of CO, calculated on a rolling twelve-month basis

f. 10 tons per year for any single HAP and 25 tons per year for any combination of HAPs calculated on a rolling twelve-month basis.

HAPs are defined in 40 CFR 61.01 and are the chemical compounds listed in section 112(b) of the Clean Air Act (Act). Compliance with the annual emission limits shall be demonstrated via 12 month rolling sum for CO and HAP via annual emission inventory reports for all criteria pollutants and HAP.

[District Rule 1303]

7. 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]