



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

C011555

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 2025

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:

ADSORBER #2 - SX-12, SXD CIRCUIT consisting of:

EQUIPMENT

Capacity	Equipment Description
0	F20-C0120 SX-12 Adsorber #2
0	F20-BL118 Exhaust Blower
0	F20-STK118 Vent Stack

CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

[District Rule 1302]

2. This equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer or supplier and/or sound engineering principles.

[District Rule 1302]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 1099

SCC: 39999989

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**
Brad Poiriez
Air Pollution Control Officer

3. This equipment shall be operated concurrently with the SXD Circuit covered in valid District permit B011551.
[District Rules 1302 and 1320]

4. This equipment shall not exhaust VOC emissions above 10 ppmv.
[District Rules 1302 and 1320]

5. The owner/operator of this source shall test, on a monthly basis, VOC concentration at the outlet of the adsorber using a photo-ionization detector (PID), flame-ionization detector (FID), or other method approved in writing by the Air Pollution Control Officer. Concentrations shall be measured and reported as methane for the purposes of these permit conditions.

- a. The owner/operator shall record these testing readings monthly. The test results shall be used to estimate the frequency of carbon change-out necessary to maintain compliance with condition number 4.
- b. The owner/operator shall change out the carbon vessel before breakthrough, defined as the detection at its outlet of 10 ppmv or greater (measured as methane).
- c. The owner/operator shall maintain the following records for each month of operation of the source:
 - i. Each test reading or analysis result.
 - ii. The applicable log shall be maintained current, on-site for a minimum of 5 years and provided to District personnel on request.

[District Rules 1302 and 1320]

6. A log of all maintenance and repairs/replacements shall be kept for this equipment. Logs shall be kept current, on-site for a minimum of 5 years and provided to District personnel on request.
[District Rules 204 and 1320]

7. 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]

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]