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

C015544

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:
SXS/SXT VOC ADSORBER #1 consisting of: TIGG Model N-1200 Plenum Deep Bed VOC adsorber, max flow 563 ACFM, one bed 3 feet thick with 11.5 square foot surface area holding 1000 pounds. activated carbon. Release height 60 feet.

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 204]

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 204]

3. This equipment shall be operated concurrently with the SXS Circuit under valid District permit B015542 and SXT Circuit under B015543.
[District Rules 204 and 1320]

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**
Brad Poiriez
Executive Director

UNOFFICIAL

4. This equipment shall not exhaust VOC emissions above 1 ppmv. Compliance with the conditions shall be determined by condition number 5.
[District Rules 204 and 1320]

5. The owner/operator of this source shall evaluate monthly, the 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. The test results shall be used to estimate the frequency of carbon change-out necessary to maintain compliance with condition number 4. The owner/operator shall change out the carbon vessel before breakthrough, defined as the detection at its outlet of 1 ppmv or greater.
[District Rules 204 and 1320]

6. This facility shall not discharge VOC into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to Rule 442, in excess of 540 kilograms (1,190 pounds) per month. Compliance with these emission limits shall be satisfied via annual emission inventory submittals.
[District Rule 442]

7. 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.
a. Date and description of maintenance performed; and
b. Date and description of repairs/replacements made; and
c. Date and results of each PID/FID reading as required by permit condition number 5; and
d. Date of each carbon change-out.
[District Rules 204 and 1320]

8. Actual emissions from this facility shall be less than the following:
a. 42 tons per year of NOx [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 SOx
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]

9. 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), Health & Safety Code 39607 & 44341-44342, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]