



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
 760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

PERMIT TO OPERATE

B002170

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

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:

CERIUM 96 PLANT - LEAD/IRON REMOVAL CIRCUIT consisting of:

EQUIPMENT

Capacity	Equipment Description
0	Cerium Chloride Tank, 5,650 gal
0	Cerium Chloride Tank, 5,650 gal
2	4P-490 Slurry Overflow Pump
7.5	4A-420 Iron Precipitation Tank Agitator
7.5	4A-410 Neutralization Tank Agitator,
3	No. 1 Iron Residue Thickener (12 ft diameter by 8 ft high) and Rake, 4Z-001 @ 3 hp
3	No. 2 Iron Residue Thickener (12 ft diameter by 8 ft high) and Rake, 4Z-440 @ 3 hp
0.25	Mix Tank and its Agitator
2	ODS Iron Thickener Underflow Pump
0	Iron/Lead Filter Press
2	4P-450 Thickener Overflow Pump
2	4P-460 Thickener Overflow Pump

Fee Schedule: 1 (a)

Rating: 32.25 bhp

SIC: 1099

SCC: 99999999

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

Capacity	Equipment Description
0	Thickener Overflow Polish Filters, 4 each
0	Pb/Fe Free Storage Tank, 8,000 gal
2	4P-510A Precipitator Feed Pump No. 1
2	4P-510B Precipitator Feed Pump No. 2
0	Polish Filters, 8 each
0	Cyclone

CONDITIONS:

1. The equipment shall not be operated unless it is vented to functioning scrubber covered by valid District permit C002077.

2. This equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier.

3. Mountain Pass Mine Voluntary Emissions Limit/Synthetic Minor Hazardous Air Pollutant Limits:

(a). General Limits for Entire Facility. The total emissions for the Mountain Pass Mine shall be less than 25 tons per year of VOC. The total emissions of Hazardous Air Pollutants (HAPs) for the Mountain Pass Mine shall not exceed 7 tons per year for any single HAP and 18 tons per year for any combination of HAPs calculated on an annual basis. HAPs are defined in 40 CFR 61.01 Lists of pollutants and are the chemical compounds listed in section 112(b) of the Clean Air Act (Act).

(b). Monitoring, Periodic Monitoring & Recordkeeping Conditions. To prove compliance with condition (a) above, permittee shall maintain usage records of all VOC- and HAP-containing solvent materials. Such records shall be compiled into an annual usage report and total HAP emissions from solvent operations shall be added to the annual HAP emissions from fuel burning and other HAP emitting equipment. Annual HAP/VOC emissions from fuel burning and other emitting equipment for purposes of this condition shall be determined by use of HAP/VOC emissions factors (as set forth by District approved emission factors), or by annual actual emissions as determined by source test of the equipment, or by methods and emission factors established in an approved comprehensive Emission Inventory Plan (CEIP).

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[California Clean Air Act, Health and Safety Code \S\S39607 and \S\S44300 et seq., and the Federal Clean Air Act, \S110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]