



# 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

B001938

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:

LEAD PRECIPITATION SYSTEM - LANTHANUM consisting of:

#### EQUIPMENT

Capacity	Equipment Description
3	No. 2 Lead Precipitation Tank Agitator
0	Lead Precipitation Tank: 26,150 gal
0	No. 1 Lead Precipitation Tank: 4,000 gal
0	No. 2 Lead Precipitation Tank: 4,000 gal
10	Lead Precipitation Reactor Tank Agitator
3	No. 1 Lead Precipitation Tank Agitator
0	30 inch Lead Thickener Tank: 85,000 gal
1.5	Lead Thickener Agitator
0	Lead Thickener Overflow Column
20	Lead Thickener Overflow Pumps, 2 @ 10 hp each
0	SX Sand Filters
25	Wash Water Collection Overflow Pump
0	15 ft HRB Reactor
1	HRB Reactor Agitator

Fee Schedule: 1 (b)

Rating: 106 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**  
Eldon Heaston  
Air Pollution Control Officer

Capacity	Equipment Description
7.5	Lead Filter Press with Hydraulic Oil Pump
0	Lead Filtrate Column
15	Lead Filtrate Pump
10	Sump Pumps, 2 @ 5 hp each
10	Membrane Filter Press (MFP) with hydraulic oil pump
0	MFP ventillation system and components for leach filter press under permit B001941 and C001940

**CONDITIONS:**

1. The owner/operator, o/o, shall operate/maintain all the equipment delineated above in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum of emissions.
  
2. This equipment shall not be operated unless it is vented to properly functioning air pollution control equipment covered by valid District permits C004666.
  
3. The o/o may operate the membrane filter press as a backup to the leach filter press (listed on B001941) when operated concurrent with C001940.
  
4. 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]