



## 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

B004371

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 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:

PURIFICATION PROCESS - EUROPIUM consisting of:

#### EQUIPMENT

Capacity	Equipment Description
0	The following is located at the Chemical Plant
0	SX-1 Pregnant Trap Tank, 2000 gal
1.5	Initial Neutralization Tank, with agitator, 200 gal
0	SX-1 Pregnant Storage Tanks, 2 @ 8800 gal each
2	Transfer Pump
3	Neutralization Tank, with agitator, 3000 gal
2	Transfer Pump, P-1
0	Head Tank, D-309, @ 500 gal
5	Jones Reductor, C-1406, with Fan
0	Feed Tote, 600 gal
0	Slave, 220 gal
5	Tank, C-1402, @ 750 gal
0	2 Filters, T-1402
1.5	Mixing Tank, C-1404 @ 250 gal, with agitator

Fee Schedule: 1 (b)

Rating: 41.5 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**  
Air Pollution Control Officer

Capacity	Equipment Description
0	Filter, T-1406
1	2 Diss Tanks, @ 300 gal each, with agitators
0.5	Transfer Pump, P-2
0	Exchange Column, C-411
0	Inline Filter, T-1401
0	D. Water Tank, 50 gal
3	Reaction Vessel, 300 gal, with agitator
0	Primary Filter, T-1411
0	Secondary Filter, T-1411
1	Transfer Pump
4	Recycle Diss. Tank, with agitator
4.5	3 Precipitation Tanks, each @ 300 gal and each with agitator
7.5	Exhaust Fan
0	Product Filter

## CONDITIONS:

1. The equipment shall not be operated unless it is vented to functioning Scrubber covered by valid District permit C004711 and Baghouse under valid District permit C004710.

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]