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 B000372

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:**
RARE EARTH ROASTER/LEACH FEED CIRCUIT consisting of:

### EQUIPMENT

| Capacity | Equipment Description |
|---|---|
| 0 | Herreshoff Roaster (Nicholas), rated at 24.9 millions Btu/h on No. 2 Diesel fuel |
| 3 | Feed Transfer Bin with Metering Screw |
| 3 | Lime Storage Bin, 35 ton capacity (5,000 gal) with Feed Screw |
| 10 | Feed Bin Transfer Screw |
| 5 | No. 1 Bucket Elevator |
| 5 | No. 2 Bucket Elevator |
| 5 | No. 3 Bucket Elevator |
| 5 | No. 4 Bucket Elevator |
| 0 | Roaster Feed Bin |
| 1 | Weightometer Belt |
| 2 | Transfer Screw |
| 3 | Transfer Screw |

Fee Schedule: 8 (e) Rating: 25620000 Btu 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

UNOFFICIAL

| Capacity | Equipment Description |
|---|---|
| 2 | Transfer Screw |
| 2 | Feed Screw |
| 45 | Roaster Drive |
| 15 | Cooling Air Fan |
| 0.5 | Oil Pump |
| 80 | Combustion Fans, 2 @ 40 hp each |
| 7.5 | Product Cooler Drive Motor |
| 0 | Product Cooler |
| 0 | Hummer Screen, 500 VA |
| 0 | Leach Feed Bin (formerly Calcine Bin) 8,750 gal |
| 1 | Weightometer Belt |
| 0 | Rework Hopper |
| 3 | Weightometer Belt |
| 7.5 | Pugmill, custom fabricated, 10' X 2' X 2' |
| 3 | Mixing Screw |
| 0 | Fee Calculation: 24.9 + (2550 Btu/hp x 208.5 hp) = 25.62 millions Btu/h |

## CONDITIONS:

1. With the exception of the pug mill, mixing screw, No. 4 bucket elevator, and leach feed circuit, this equipment shall not be operated unless vented to properly functioning baghouses under valid District permits C002595 and C004094. Furthermore, the pug mill, mixing screw, No. 4 bucket elevator, and the leach feed circuit shall not be operated unless vented to the properly functioning baghouse under valid District permit C004032.

2. 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 9.9 tons per year for any single HAP and 24.9 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 materials. Such records shall be compiled into an annual usage and total HAP emissions summary. 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). (c) Facility wide Comprehensive Emission Inventory (CEIR) Reports shall be submitted to the District pursuant to the Districts Comprehensive Emissions Inventory Report Guidelines. A CEIR in a District approved format must be submitted to the District for all emitted criteria pollutants on an annual basis and for all emitted criteria and toxic air pollutants on a triennial basis. CEIR are to be received by the District no later than May 31 of the following year. [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]