



**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**

B000385

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:**

ROTARY KILN DRYER - No. 2 LANTHANUM consisting of:

**EQUIPMENT**

| Capacity | Equipment Description                              |
|----------|--|
| 35       | Fives NA 4441-8-C/G burner 4.0 MMBtu/hr            |
| 0.26     | Fives NA 2320-35/1                                 |
| 0.19     | F-26 7.5 hp Combustion Air Blower (Hawk)           |
| 0.127    | SC-18 5.0 hp Screw Conveyor, 1 ft by 10 ft long    |
| 0.127    | SC-19 5.0 hp Screw Conveyor, 1 ft by 10 ft long    |
| 0.127    | BE-10 5.0 hp Bucket Elevator, 2.5 ft by 40 ft long |
| 0.19     | HM-1 7.5 hp Hammer Mill                            |
| 0.064    | S-4 2.5 hp Sweco Screen, 48 inches                 |
| 0        | BS-15 Storage Bin, 8,750 gal capacity              |
| 0.025    | EPF-5 1.0 hp Product Drum Filter                   |
| 0.076    | DHP-70 V3.0 hp Vacuum Receiver Filtrate Pump       |
| 0        | Sump   |

Fee Schedule: 8 (d)

Rating: 5160000 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

| Capacity | Equipment Description                          |
|----------|--|
| 0.127    | 5.0 hp Sump Pump                               |
| 0.025    | 1.0 hp VHP-68 Dryer Burner Oil Pump            |
| 0.076    | 3.0 hp Dryer Feed Screw                        |
| 0        | Hopper, 3.5 ft by 3.5 ft by 3.5 ft             |
| 0.051    | 2.0 hp Product Drum Filter Agitator            |
| 0.255    | 10.0 hp Sump Pump to No. 1 Lanthanum Thickener |

**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.
  
2. This equipment shall be operated and maintained in strict accord with the manufacturer's instructions, recommendations and emissions guarantee submitted to the District dated 6/25/14.
  
3. This equipment shall operate concurrently with the baghouse specified under valid District permit C000838.
  
4. This equipment shall be fired on natural gas only (propane may be burned as a backup fuel under natural gas curtailment emergency or for testing), supplied through a non-resettable, totalizing fuel meter.
  
5. Within 180 days of startup, the owner/operator shall conduct a District approved initial source test of this equipment to verify that it complies with the following emission factors when using natural gas:
  - a. NOx = 60 PPMV
  - b. CO = 25 PPMV
  - c. PM10 = 0.030 lb/hr
  
6. This equipment does not require a regularly scheduled annual emission compliance test. However, emission compliance testing may be required at the discretion of the District.
  
7. (a) Mountain Pass Mine Facility Emissions Limits: The total criteria pollutant emissions for the Mountain Pass Mine shall be less than: 42 tons per year of NOx, 25 tons per year of VOC, 46 tons per year of PM10, 25 tons per year of SOx, and 100 tons per year of CO. The total emissions of Hazardous Air Pollutants (HAPs) for the Mountain Pass Mine shall be less than 10 tons per year for any single HAP and 25 tons per year for any combination of HAPs calculated on an annual 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).
  - (b). Monitoring, Periodic Monitoring & Recordkeeping Conditions. This facility shall demonstrate compliance with the specific facilitywide emission limits through the submission of an approved CEIP and CEIR. The CEIP and CEIR shall be based on actual emissions as determined by source test of the equipment or on district approved methods and emissions factors only. Generic or default emission factors shall not be used without approval from the District. The Comprehensive Emission Inventory Plan (CEIP) shall be due no later than March 31 of the year following the year of the actual emissions to be reported. Emissions will be calculated separately for each emissions source on a monthly basis and used to calculate the 12 month rolling annual total. All emissions sources including all permit units will be summed on a monthly basis and used to calculate the 12 month rolling annual total. The permit unit and facilitywide monthly emissions, 12 month rolling annual emissions total, and approved CEIR shall be kept on site and provided to District personnel upon request.
  - (c) A facility wide Comprehensive Emission Inventory (CEIR) must be submitted to the District, in a format approved by the District, for all emitted criteria air pollutant on a yearly basis, and every three years for toxic air pollutants, which is to be received by the District no later than April 30 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]  
 [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]