



## 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

B004924

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:

SPECIALTY PLANT No. 2 NEODYMIUM DRYER consisting of:

#### EQUIPMENT

Capacity	Equipment Description
0	Calciner is by Alfred Ceramics Enterprises, Inc., and includes the following major components:
0	63-1307 Live Bottom Surge Bin, with conveyor and agitator, 100 cu ft
5	63-2507 Calciner Feed Bucket Elevator
0	63-1308 Calciner Feed Hopper with conveyor and agitator
1	63-2508 Calciner Feed Screw
2	63-2101 Calciner motor rotation drive
2	63-2305 Burner and Fan rated at 1.5 millions Btu/h on propane fuel
0.5	63-2509 Water Cooled Screw Conveyor
5	63-2510 Product Bucket Elevator
0.5	63-1401 Screen motor
25	63-1310 Ribbon Blender
0	63-3101 Product Bag Packager and Scale
0	63-1309 Reject Loading

Fee Schedule: 8 (C)

Rating: 1600000 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**  
Air Pollution Control Officer

Capacity	Equipment Description
0	Fee Calculation = 1.5 millions Btu/h + (2550 Btu/h/hp x 41 hp) = 1.60 millions Btu/h

## CONDITIONS:

1. This equipment shall not be operated unless vented to properly functioning baghouse under valid District permit C004926.
2. This equipment shall be operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering practices consistent with minimum emissions of contaminants.
3. The owner/operator shall maintain a log of all fuel used in this calciner or the combined use of this and the permitted dryer under valid District permit B004923. This log shall be maintained current (by the calendar month), on-site for a minimum of five (5) years and provided to District personnel on request.
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]