



**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**

C011948

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:**

LANTHANUM CARBONATE CALCINER BAGHOUSE consisting of:

**EQUIPMENT**

| Capacity | Equipment Description                         |
|----------|---|
| 0        | F65-DC175 Didy Calciner Baghouse              |
| 0        | F65-RV175 Didy Calciner Baghouse Rotary Valve |
| 0        | F65-CV174 Didy Calciner Dust Collector Screw  |
| 0        | F65-EF175 Didy Calciner Baghouse Exhaust Fan  |
| 0        | F65-STK175 Didy Calciner Dust Collector Stack |
| 0        | F65-HP175 Didy Baghouse Transfer Hopper       |

**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.

[District Rules 204 and 1303]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 1099

SCC: 30599999

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

2. The owner/operator, o/o, shall operate and maintain this baghouse in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rules 204 and 1303]

3. This baghouse shall operate concurrently with the equipment described as Lanthanum Carbonate Production under valid District permit B011949.

[District Rules 204 and 1303]

4. The owner/operator, o/o, shall conduct the following minimum program of inspection/maintenance:

- a. Monthly visible emissions determinations; results logged;
- b. Weekly readings and recording of the pressure differential across the bags;
- c. Quarterly inspections of the bags and their suspension systems; inspections, replacements, and repairs logged.

Items a, b, and c shall be logged. The log shall be maintained current, on-site for a minimum of 5 years and provided to District personnel on request.

[District Rules 204 and 1303]

5. This equipment shall be equipped with filters which meet 99.9% control efficiency of particulates at the operating conditions specified in the equipment description.

[District Rule 1303 - BACT]

6. The baghouse shall have no visible emissions.

[District Rule 1303]

7. The o/o shall maintain, on-site, an inventory of replacement bags sufficient to ensure compliance with applicable rules of District Regulation IV.

[District Rules 204 and 1303]

8. 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 NO<sub>x</sub>, 25 tons per year of VOC, 46 tons per year of PM<sub>10</sub>, 25 tons per year of SO<sub>x</sub>, 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).

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. 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 (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]