



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

C004032

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:

BAGHOUSE - RARE EARTH ROASTER/LEACH FEED CIRCUIT consisting of: a Pulse Jet type unit by Fabric Filters Air Systems, model number 25-10, with the following specifications: Bags: 25, at 4.5 in ID and 10 ft long; Total Cloth Filter Area: 295 sq ft Air to Cloth Ratio: 4.00 : 1; Flowrate: 1200 ACFM, at ambient temperature, by a 5 hp fan. This unit is a multiple pick-up type serving the Leach Feed Bin, LFB to Weightometer belt, and #4 Bucket Elevator, pugmill and mixing screw immediately downstream.

CONDITIONS:

1. This baghouse shall operate concurrently with the equipment described as the Rare Earth Roaster/Leach Feed Circuit under valid District permit B000372.
2. The owner/operator, o/o, shall conduct the following minimum program of inspection/maintenance:
 - a. Weekly readings and recording of the pressure differential across the bags;
 - b. Monthly visible emissions determinations, VEE results logged;
 - c. Quarterly inspections of the bags and their suspension systems, inspections, replacements and repairs logged.
 The above frequencies may be changed upon successful demonstration to the District that less stringent monitoring is equally effective. 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.

Fee Schedule: 7 (h)

Rating: 1 device

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**
Eldon Heaston
Air Pollution Control Officer

3. The o/o shall maintain, on-site, an inventory of replacement bags sufficient to ensure compliance with applicable rules of District Regulation IV.
4. This baghouse shall discharge no more than 0.10 pounds per hour of PM₁₀ at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
5. The o/o shall operate and maintain this baghouse in strict accord with the recommendations of the manufacturer/supplier.
6. 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 District's 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]
[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]
7. A properly functioning pressure differential gauge shall be installed and maintained to indicate, in inches of water, the static pressure differential across the bags. When in operation, the pressure differential shall not exceed 10.0 inch of water.