



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

B014173

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:

LEACH CONVEYING SYSTEM consisting of:

EQUIPMENT

Capacity	Equipment Description
0	531-D15-BN02 Calcined Concentrate Bin
0	531-D15-SA03 Calcined Concentrate Bin Scale
3	531-D15-CV11 Calcined Concentrate Bin Discharge Screw
0.17	531-D15-SAMP04 Calcined Concentrate Product Sampler
0	531-D15-DV03 Calcined Concentrate Diverter Valve
3	531-D15-CV12 Calcined Concentrate Bulk Bag Filling Feed Screw
0	531-D15-AV01 Calcined Concentrate Dense Phase Shut Off Valve
0	531-D15-AV02 Calcined Concentrate Dense Phase Conveyor Fill Valve
0	531-D15-PV04 Dense Phase Conveyor Transport Hopper
1.5	531-D15-RV06 Leach Receiving Hopper Rotary Airlock
4	531-D15-SA04 Leach Receiving Hopper Loss in Weight Feeder
0	531-D15-PV02 Leach Receiving Hopper Pneumatic Conveyor Compressed Air Surge Tank 1550 gallon
3	531-D15-PK01 Bulk Bag Packager
0	531-D15-HP02 Leach Receiving Surge Hopper Includes passive bin vent required to meet 99.9% control efficiency

Fee Schedule: 1 (a)

Rating: 22 bhp

SIC: 1099

SCC: 30510199

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

Capacity	Equipment Description
0	531-D15-AV03 Leach Receiving Surge Hopper Discharge Valve
1	531-D15-EF03 Packager Dust Collector Exhaust Fan
1	531-D15-SAF01 Packager Spout Seal Inflation Fan
1	531-D15-CV14 Packager Load Station Conveyor
1	531-D15-CV15 Packager Feed Conveyor
1	531-D15-CV16 Packager Filling Station Conveyor
1	531-D15-CV17 Packager Exit Conveyor
1	531-D15-CV18 Packager Unload Station Conveyor
0	531-D15-SA05 Packager Filling Scale
0	531-D15-AV04 Packager Filler/Dribble Valve

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rules 204 and 1302]

2. There shall be no visible emissions from this material handling equipment. To demonstrate compliance with this opacity limitation the owner/operator shall conduct a monthly 6-minute visible emissions evaluation on each emission point and fugitive emission point associated with this equipment in accordance with USEPA Method 22. The evaluation must be conducted while the affected source is in operation. [District Rules 204, 401, 402, and 403]

3. Throughput from this equipment may not exceed 190,773 tons/year. [District Rule 1303 - Offsets]

4. All conveying equipment shall be fully enclosed. The following components shall operate concurrent with the specified controls:

- a. calciner concentrate bin controlled by calciner concentrate bin vent C014184
- b. bulk bag packager controlled by packager dust collector C014185
- c. leach receiving surge hopper controlled by leach receiving filter receiver C014172
- d. leach receiving hopper controlled by passive bin vent

[District Rule 1303 - BACT]

5. A pressure differential gauge shall be installed and maintained on the leach receiving hopper bin vent to measure the pressure differential across the filters. In operation, the pressure differential shall be kept between 3.5 and 6 inches water column. [District Rule 1303 - BACT]

6. Bin vent filters shall be polyester felt and meet the Parker QP007 minimum specifications as submitted with the application for this permit. [District Rule 1303 - BACT]

7. The owner/operator shall maintain on-site, as a minimum, an inventory of replacement bags/filters that assures compliance these conditions. [District Rule 1303 - BACT]

8. 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 filter;
 - c. Quarterly inspections of the bin vent filter; 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.

9. Actual missions from this facility shall be less than the following:

- a. 42 tons per year of NO_x [Rule 1303(B)]
 - b. 46 tons per year of PM₁₀ [Rule 1303(B)]
 - c. 25 tons per year of VOC
 - d. 25 tons per year of SO_x
 - e. 100 tons per year of CO, calculated on a rolling twelve-month basis
 - f. 10 tons per year for any single HAP and 25 tons per year for any combination of HAPs calculated on a rolling twelve-month 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). Compliance with the annual emission limits shall be demonstrated via 12 month rolling sum for CO and HAP via annual emission inventory reports for all criteria pollutants and HAP.

[District Rule 1303]

10. 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]