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 B015670

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:
HRE FINISHING SYSTEM consisting of: Control equipment includes: HRE Finishing Scrubber C015669 HRE Kiln Filter #1 C015671 HRE Kiln Filter #2 C015672

EQUIPMENT

Capacity	Equipment Description
1.37	542-D72-TK201 HRE Precipitation Tank #1 1372 gallon
1.37	542-D72-TK202 HRE Precipitation Tank #2 1372 gallon
1.37	542-D72-TK203 HRE Precipitation Tank #3 1372 gallon
1.37	542-D72-TK204 HRE Precipitation Tank #4 1372 gallon
0	542-D72-AG201 HRE Precipitation Agitator #1
0	542-D72-AG202 HRE Precipitation Agitator #2
0	542-D72-AG203 HRE Precipitation Agitator #3
0	542-D72-AG204 HRE Precipitation Agitator #4
0	542-D72-P201 HRE Slurry Pump #1
0	542-D72-P202 HRE Slurry Pump #2
0	542-D72-P203 HRE Slurry Pump #3
0	542-D72-P204 HRE Slurry Pump #4

Fee Schedule: 5 (b) Rating: 10900 gallons SIC: 1099 SCC: 39999989 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

UNOFFICIAL

Capacity	Equipment Description
0	542-D72-FI101 HRE Filter Press #1
0	542-D72-FI102 HRE Filter Press #2
0.5	542-D72-TK101 HRE Filtrate Transfer Tank 500 gallon
0	542-D72-P101 HRE Filtrate Transfer Pump
0	542-D72-CAL01 HRE Cart Kiln #1
0	542-D72-CAL02 HRE Cart Kiln #2
5.3	542-D72-TK701 HRE Oxalic Day Tank #1 5300 gallon
0	542-D72-TK702 HRE Oxalic Day Tank #2
0	542-D72-P701 HRE Oxalic Pump #1
0	542-D72-P702 HRE Oxalic Pump #2
0	542-D72-P700 HRE Oxalic Unloading Pump
0	542-D72-HX701 HRE Oxalic Acid Solution Warmer
1.36	542-D72-TK401 HRE Mother Liquor Tank 1360 gallon
0	542-D72-P401 HRE Mother Liquor Pump #1
0	542-D72-P402 HRE Mother Liquor Pump #2
2.35	542-D72-TK501 HRE Wash Water Tank 2350 gallon
0	542-D72-P501 HRE Wash Water Pump #1
0	542-D72-P502 HRE Wash Water Pump #2
0	542-D72-FI501 HRE Wash Water Bag Filter #1
0	542-D72-FI502 HRE Wash Water Bag Filter #2
0	542-D72-CLN01 Softwall Cleanroom Enclosure #1
0	542-D72-CLN02 Softwall Cleanroom Enclosure #2
0	542-D72-CLN03 Softwall Cleanroom Enclosure #3
0	TBD Cleanroom Filter #1
0	TBD Cleanroom Filter #2
0	TBD Cleanroom Filter #3
0	TBD Cleanroom Filter #4
0	TBD Cleanroom Filter #5
0	TBD Cleanroom Filter #6
0	TBD Cleanroom Filter #7
0	TBD Cleanroom Filter #8
0	TBD Cleanroom Filter #9
0	TBD Cleanroom Filter #10
0	542-D72-SA01 HRE Product Packaging Stations

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 Rule 204]

2. Annual throughput shall not exceed 221 tons/year.
[District Rules 1302 and 1320]

3. The owner/operator, o/o, shall maintain the following records at a minimum:
a. Monthly visible emissions determinations as required by condition 4; results logged;
b. Throughput processed tons/year.

Items a and b shall be logged at least monthly. Records shall be maintained current, on-site for a minimum of 5 years and provided to District personnel on request.
[District Rules 401 and 1303 - BACT]

4. The 542-D72-CAL01 HRE Cart Kiln #1 shall vent to the HRE Kiln Filter #1 under C015671 and the 542-D72-CAL02 HRE Cart Kiln #2 shall vent to the HRE Kiln Filter #2 under C015672 when in operation. All other material handling points except for transfer points are to be fully enclosed and/or maintained at a sufficient moisture content such that there are no visible emissions.
[District Rule 1303 - BACT]

5. This process shall not be operated unless vented to the properly operating HRE Finishing Scrubber under C015669.
[District Rules 204 and 1320]

6. Actual emissions from this facility shall be less than the following:
a. 42 tons per year of NOx [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 SOx
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]

7. 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), Health & Safety Code 39607 & 44341-44342, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]