MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park AvenueVictorville,CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

AUTHORITY TO CONSTRUCT

B014255

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 2026

OWNER OF OPERATOR (Co.#2349)

MP Mine Operations LLC
67750 Bailey Road
Mountain Pass,CA92366

EQUIPMENT LOCATION (Fac.#364)

Mountain Pass Mine
67750 Bailey Road
Mountain Pass,CA92366

Description:
LEACH THICKENING AND FILTRATION SYSTEM consisting of:

EQUIPMENT

Capacity	Equipment Description
0	531-D20-TH702 Leach Thickener Tank #2
2	531-D20-ME702 Leach Thickener Mechanism (2 x 1 hp ea)
2	531-D20-P705 Leach Thickener #2 Underflow Pump (2 hp)
2	531-D20-P706 Leach Thickener #2 Underflow Pump (Spare 2 hp)
0	531-D20-TK703 Leach Thickener Tank #2 Mix Box
0	531-D20-TH703 Leach Thickener Tank #3
2	531-D20-ME703 Leach Thickener Mechanism (2 x 1 hp ea)
2	531-D20-P707 Leach Thickener #3 Underflow Pump (2 hp)
2	531-D20-P708 Leach Thickener #3 Underflow Pump (Spare 2 hp)
0	531-D20-TK704 Leach Thickener Tank #3 Mix Box
0	531-D20-TK701 Leach Thickener Tank #1 Mix Box
2	531-D20-ME701 Leach Thickener Mechanism (2 x 1 hp ea)
0	531-D20-TH701 Leach Thickener Tank #1
2	531-D20-P703 Leach Thickener #1 Underflow Pump (2 hp)

Fee Schedule:1 (c) Rating:258bhp 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,NV89135

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

UNOFFICIAL

Capacity	Equipment Description
2	531-D20-P704 Leach Thickener #1 Underflow Pump (Spare 2 hp)
0	531-D20-TK702 Leach Thickener Overflow Tank
10	531-D20-P701 Leach Overflow Pump (10 hp)
10	531-D20-P702 Leach Overflow Pump (Spare 10 hp)
0.75	531-D20-SM701 Sampler (0.75 hp)
7.5	531-D20-P709 Leach Thickener Area Sump Pump (7.5 hp)
30	531-D20-AG701 Filter Feed Tank Agitator (30 hp)
0	531-D20-TK705 Filter Feed Tank
3	531-D20-P710 Filter Feed Pump (3 hp)
3	531-D20-P711 Filter Feed Pump (3 hp)
0	531-D20-TK709 Filter Wash Water Tank
45	531-D20-P717 Filter Wash Water Pump (1 ea 25 hp and 20 hp)
45	531-D20-P718 Filter Wash Water Pump (1 ea 25 hp and 20 hp)
0	531-D20-AREC701 Air Receiver
8.5	531-D20-FI701 Filter Press (1 ea x 1 hp and 7.5 hp)
30	531-D20-CV701 Filter Cake Dual Screw Conveyor (2 ea x 15hp)
0	531-D20-AS701 Air Water Separator
2	531-D20-AG704 Filtrate Tank Agitator (2 hp)
0	531-D20-TK706 Filtrate Tank
2	531-D20-P712 Filtrate Pump (2 hp)
2	531-D20-P713 Filtrate Pump (2 hp)
0	531-D20-FI702A Polishing Filter A
0	531-D20-FI702B Polishing Filter B
0	531-D20-FI702C Polishing Filter C
0	531-D20-FI702D Polishing Filter D
7.5	531-D20-AG702 Filter Cake Repulp Tank Agitator (7.5 hp)
0	531-D20-TK707 Filter Cake Repulp Tank
1.5	531-D20-P719 Leach Repulp Transfer Pump (1.5 hp)
1.5	531-D20-P720 Leach Repulp Transfer Pump (Spare 1.5 hp)
7.5	531-D20-AG703 Tails Surge Tank Agitator (7.5 hp)
0	531-D20-TK708 Tails Surge Tank
1.5	531-D20-P714 Leach Tails Pump (1.5 hp)
1.5	531-D20-P715 Leach Tails Pump (Spare 1.5 hp)
0.75	531-D20-SM702 Sampler (0.75 hp)
7.5	531-D20-P716 Filter Area Sump Pump (7.5 hp)
0	531-D20-Y01 Thickener #1 Flocculant Wetting Head
2	531-D20-AG709 Thickener #1 Flocculant Batch Tank Agitator
0	531-D20-TK712 Thickener #1 Flocculant Batch Tank
0	531-D20-TK713 Thickener #1 Flocculant Surge Tank
5	531-D20-P727 Thickener #1 Flocculant Metering Pump A
5	531-D20-P728 Thickener #1 Flocculant Metering Pump B

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 1302]

2.This equipment shall not be operated unless it is vented to the properly functioning caustic scrubber under valid District permit

C014254.
[District Rules 1302 and 1320]

3.All material handling points except for the filter cake dual screw conveyor 531-D20-CY701 are to be fully enclosed or maintained at a sufficient moisture content such that there are no visible emissions.
[District Rule 1303 - BACT]

4.Annual throughput of leach slurry processed by this equipment shall not exceed 210,590,400 lb/year.
[District Rules 1302 and 1320]

5.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 - Offsets]

6.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]