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

AUTHORITY TO CONSTRUCT

B011624

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 PROCESS EQUIPMENT consisting of:

EQUIPMENT

Capacity	Equipment Description
0	D20-TK029 Strong Leach Reactor #1B 6,000 gallons
0	D20-TK054 HCl Break Tank #2 12,150 gallons
15	D20-CV002 Leach Residue Conveyor
0	D20-TK033 Strong Leach Reactor #1A 6,000 gallons
0	D20-TK037 Strong Leach Reactor #2 6,000 gallons
0	D20-TK041 Strong Leach Reactor #3 6,000 gallons
0	D20-TK042 Strong Leach Reactor #4 6,000 gallons
0	D20-TK049 Strong Leach Filter Feed Tank 4,000 gallons
0	D20-TK050 Strong Leach Vacuum Pot 300 gallons
0	D20-TK053 Strong Leach Filtrate Receiver 6,000 gallons
0	D20-TK017 REF Reslurry Tank
0	D20-TK010 Crack Batch Weigh Tank
0	D20-TK022 Vacuum Separator Tank
0	D20-FI006 Strong Leach Rotary Vacuum Filter #1 1,321 gallons

Fee Schedule:1 (c) Rating:308.4bhp 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,NV89135

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

UNOFFICIAL

Capacity	Equipment Description
0	D20-FI001 Strong Leach Rotary Vacuum Filter #2 1,321 gallons
0	D20-MI015 Strong Leach Kady Mill
5	D20-AG029 Strong Leach Reactor #1B Agitator
5	D20-AG033 Strong Leach Reactor #1A Agitator
5	D20-AG037 Strong Leach Reactor #2 Agitator
5	D20-AG041 Strong Leach Reactor #3 Agitator
5	D20-AG042 Strong Leach Reactor #4 Agitator
5	D20-AG049 Strong Leach Filter Feed Tank Agitator
0	D20-HP006 Strong Leach FRP Hopper Twin Auger
0	D20-HX001 Strong Leach Filtrate Cooler
0	D20-HX106 Strong Leach Reactor #1A Heating Coil
0	D20-HX107 Strong Leach Reactor #1B Heating Coil
0	D20-HX111 Strong Leach Reactor #2 Heating Coil
0	D20-HX116 Strong Leach Reactor #3 Heating Coil
0	D20-HX121 Strong Leach Reactor #4 Heating Coil
0	D20-P012 Strong Leach Reactor Feed Pump #1 (ODS)
0	D20-P013 Strong Leach Reactor Feed Pump #2 (ODS)
0	D20-P017 Strong Leach Defoamer Metering Pump (GEAR)
0	D20-P030 Strong Leach Transfer Pump #1 (ODS)
0	D20-P031 Strong Leach Transfer Pump #2 (ODS)
0	D20-P032 Strong Leach Filter Feed Pump #1 (ODS)
0	D20-P033 Strong Leach Filter Feed Pump #2 (ODS)
16.2	D20-P035 Strong Leach Filtrate Pump #1 (ANSIMAG)
16.2	D20-P036 Strong Leach Filtrate Pump #2 (ANSIMAG)
1	D20-P072 Strong Leach Floc Metering Pump (GEAR)
30	D20-VP006 Strong Leach Vac Pump Liquid Ring
40	D20-P225 Temporary Filter Pump
0	D20-TK132 Filter Feed Tank
0	D20-FI030 Filter Press #1
0	D20-FI031 Filter Press #2
40	D20-P221 Filter Feed Pump #1
40	D20-P222 Filter Feed Pump #2
0	D20-TK134 Filtrate Receiver Tank
40	D20-P223 Filtrate Return Pump #1
40	D20-P224 Filtrate Return Pump #2
0	D20-FI131 Filtrate Polishing Filter #1
0	D20-FI032 Filtrate Polishing Filter #1A
0	D20-FI033 Filtrate Polishing Filter #1B

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.

2.This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.

3.The following equipment shall not be operated unless it is vented to a properly functioning scrubber under valid District permit C011626:

(a) Strong Leach Reactor #1A
(b) Strong Leach Reactor #1B
(c) Strong Leach Reactor #2
(d) Strong Leach Reactor #3
(e) Strong Leach Reactor #4
(f) Strong Leach Filter Feed Tank
(g) Strong Leach Filtrate Receiver
(h) Strong Leach Rotary Vacuum Filter #1
(i) Strong Leach Rotary Vacuum Filter #2
(j) Vacuum Pump Separator Tank
(k) REF Reslurry Tank
(l) Strong Leach Kady Mill
(m) D20-TK132 Filter Feed Tank
(n) D20-TK134 Filtrate Receiver Tank

4.(a) 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 NOx, 25 tons per year of VOC, 46 tons per year of PM10, 25 tons per year of SOx, 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).
(b). 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. The Comprehensive Emission Inventory Plan (CEIP) shall be due no later than March 31 of the year following the year of the actual emissions to be reported. 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 (CEIR) must be submitted to the District, in a format approved by the District, for all emitted criteria air pollutant on a yearly basis, and every three years for toxic air pollutants, which is to be received by the District no later than April 30 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]