



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

B011353

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 2025

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:

PASTE TAILINGS PLANT consisting of:

EQUIPMENT

Capacity	Equipment Description
33	B05-TH01 Tailings Thickener
0	B05-TK02 Tailings Surge Tank
0	B05-TK03 Thickener Feed Box
0	B05-TK04 Filter Feed Tank
0	B05-TK05 Process Water Tank
0	B05-TK06 Waste Water Tank
0	B05-TK11 Feeder Hopper 357 cuft capacity
0	B05-TK14 Paste Pump Hopper 190 cuft capacity
0	B05-TK15 Paste Pump Hopper 190 cuft capacity
15	B05-AG01 Tailings Surge Tank Agitator
20	B05-AG02 Filter Feed Tank Agitator
20	B05-AG03 Waste Water Tank Agitator
12	B05-FI01 Pressure Filters #1
12	B05-FI02 Pressure Filters #2

Fee Schedule: 1 (d)

Rating: 3354 bhp

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**
Brad Poiriez
Air Pollution Control Officer

Capacity	Equipment Description
12	B05-FI03 Pressure Filters #3
504	B05-HY03 Filter Hydraulic Power Packs
504	B05-HY04 Filter Hydraulic Power Packs
0	B05-HY05 Filter Hydraulic Power Pack (standby)
31	B05-HY01 Paste Pump Hydraulic Power Pack
31	B05-HY02 Paste Pump Hydraulic Power Pack
40	B05-P03 Tailings Surge Tank Pump
40	B05-P04 Tailings Surge Tank Pump
10	B05-P05 Thickener Underflow Pump
10	B05-P06 Thickener Underflow Pump
200	B05-P07 Filter Feed Pump
200	B05-P08 Filter Feed Pump
0	B05-P09 PD Pump
0	B05-P10 PD Pump
300	B05-P13 Process Water Pump
300	B05-P14 Process Water Pump
5	B05-P15 Waste Water Pump
5	B05-P16 Waste Water Pump
15	B05-P19 Gland Seal Water Pump
15	B05-P20 Gland Seal Water Pump
20	B05-P21 Gland Water Booster Pump
75	B05-P32 Excess Water Pump
20	B05-P22 Gland Water Booster Pump
75	B05-P33 Excess Water Pump
50	B05-P23 Sump Pump No. 1
50	B05-P34 Sump Pump No. 5
75	B05-P24 Sump Pump No. 2
50	B05-P35 Sump Pump No. 6
75	B05-P25 Sump Pump No. 3
50	B05-P36 Sump Pump No. 7
50	B05-P26 Sump Pump No. 4
75	B05-P37 Sump Pump No. 8
15	B05-P31 High Pressure Wash Pump
75	B05-P38 Sump Pump No. 9
10	B05-AC01 Pressing Air Compressor 1
10	B05-AC02 Pressing Air Compressor 1
0	B05-AR03 Drying Air Receiver
0	B05-AR02 Pressing Air Receiver
0	B05-AR01 Instrument Air Receiver
60	B05-CV01 Filter Cake Conveyor
100	B05-CV02 Live Bottom Feeder
10	B05-CV03 Mixer Conveyor
75	B05-CV04 Stockpile Conveyor
0	B05-RV01 Rotary Valve
0	B05-AW001 Air/Water Separator for B05-FI01
0	B05-AW002 Air/Water Separator for B05-FI02
0	B05-AW003 Air/Water Separator for B05-FI03
0	B05-WF01 Gland Water Filter

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. Materials processed by equipment delineated above shall contain sufficient and/or added moisture to ensure compliance with District rules 401, 402, and 403. Sufficient water and equipment in operable condition shall be maintained on-site and used as necessary to ensure compliance with these rules.
4. Material handling processes (i.e. drops and conveyors) shall not discharge PM10 in excess of 0.01 grains/dscf. Materials processed by this equipment shall contain sufficient and/or added moisture to ensure compliance with this limit.
5. Material shall maintain a moisture content such that there shall be no visible emissions.
6. (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]