



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

B011341

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:

BALL MILL CIRCUIT consisting of:

EQUIPMENT

Capacity	Equipment Description
10	D05-P02 Grinding Area Sump Pump
0	D05-FE09 Ball Mill Feed Chute
2500	D5-MI01 Ball Mill
0	D05-SMP01 Ball Mill Discharge Sump
75	D05-P01 Ball Mill Cyclone Feed Pump #1
0	D05-P03 Ball Mill Cyclone Feed Pump #2 (back up only)
0	D05-CYC11 Hydrocyclone Package Cyclone #11
0	D05-CYC12 Hydrocyclone Package Cyclone #12
0	D05-CYC13 Hydrocyclone Package Cyclone #13
0	D05-CYC14 Hydrocyclone Package Cyclone #14
0	D05-CYC15 Hydrocyclone Package Cyclone #15
0	D05-CYC16 Hydrocyclone Package Cyclone #16

Fee Schedule: 1 (d)

Rating: 2709 bhp

SIC: 1099

SCC: 30504099

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

Capacity	Equipment Description
10	D05-SS1 8-Deck Superstack - West (Shaker Screen #1)
10	D05-SS2 8-Deck Superstack - East (Shaker Screen #2)
15	D05-P11 Oversize Sump Pump - South
25	D05-P12 Undersize Sump Pump - North
15	D05-P13 Oversize Sump Pump - North
25	D05-P14 Undersize Sump Pump - South
1	D05-CN11 Service Monorail
1	D05-CN12 Service Monorail
1	D05-CN13 Service Monorail
1	D05-DR1-N Overhead Door - North
1	D05-DR2-E Overhead Door - East
0	D05-AN1 Particle Size Analyzer
10	D05-P110 Floor Sump Pump
7.5	D05-EF2 Exhaust Fan
1	E05-UH1 Unit Heater
0	D05-SMP02 Oversize Sump 1000 gallon
0	D05-SMP03 Undersize Sump 1900 gallon

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. 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.

3. Ball milling operations shall be performed in an enclosure and shall not discharge PM10 in excess of 1 lb/100 tons processed. [District Rule 1303 - BACT]

4. Material handling processes (i.e. drops and conveyors) shall not discharge PM10 in excess of 0.01 grains/dscf. [District Rule 1303 - BACT]

5. Material shall maintain a moisture content such that there shall be no visible emissions. [District Rule 1303 - BACT]

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 - Offsets]

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); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]