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 B015488

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:
ORE SORTING SYSTEM consisting of: All equipment capacities are in horsepower (hp).

EQUIPMENT

Capacity	Equipment Description
40	Rock Box with VGF, Equipment ID #28
60	Breaker Stand, Equipment ID #29
200	Jaw Crusher, Equipment ID #30
2	Hydraulic Power Pack
20	Jaw Under Conveyor, Equipment ID #31
50	42" x 100' Conveyor, Equipment ID #32
60	Dual 8' x 20' Screen Structure, Equipment ID #33
10	Stationary Dry Screen Stand
20	36" x 60' Conveyor, Equipment ID #34
50	42 x 125 Conveyor, Equipment ID #35
350	K350 Cone Structure, Equipment ID #36
15	Hydraulic Power Unit

Fee Schedule: 1 (d) Rating: 1200 bhp SIC: 1099 SCC: 30302408 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
3	Lube Panel
5	Cone Surge Feeder
20	42" x 40' Conveyor, Equipment ID #37
15	36" x 30' Conveyor, Equipment ID #38
15	36" x 80' Fixed Stacker, Equipment ID #39
15	36" x 30' Conveyor, Equipment ID #40
25	36" x 100' Conveyor, Equipment ID #41
20	36" x 60' Conveyor, Equipment ID #42
20	36" x 80' Conveyor, Equipment ID #42.1
0	SPF1014 - Bin Feeder, Equipment ID #20
20	36" x 60' Conveyor, Equipment ID #21
20	Ore Sorter
20	36" x 80' HDS Conveyor, Equipment ID #22
30	RSC 36" x 100' Radial, Equipment ID #23
2	Powered Radial Drive
0	SPF1014 - Bin Feeder, Equipment ID #24
20	36" x 60' Conveyor, Equipment ID #25
20	Ore Sorter
20	36" x 80' HDS Conveyor, Equipment ID #26
30	RSC 36" x 100' Radial, Equipment ID #27
2	Powered Radial Drive

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 1303 BACT]

2. Annual (rolling 12 month sum) throughput must not exceed 1,200,000 tons in any 12 consecutive month period. [District Rules 1303 and 1320]

3. This equipment must be powered by either line power or by a District-permitted generator. PERP registered engines cannot be used to power this equipment. [District Rules 204 and 1320]

4. High pressure water spray system shall be installed and operated as necessary at the following five locations:

a. rock box vibrating grizzly feeder (ID #28)
b. jaw crusher (ID #30)
c. cone crusher (ID #36)
d. screen (ID #33a)
e. screen (ID #33b)

High pressure water spray system shall be defined as a water spray system which can be readily controlled, has an operating pressure of at least 150 psig, and produces an atomized spray to suppress airborne dust.
Through the use of the high pressure water sprays, a minimum moisture content of one and one half percent (1.5%) shall be maintained throughout the plant. The owner/operator must perform monthly moisture content testing at each Storage Pile and no additional water may be added to the samples prior to collection. This testing shall be conducted in accordance with ASTM C566-19.

The frequency of this monthly moisture testing may be reduced to quarterly following three consecutive monthly tests, demonstrating a

moisture content of 1.5% or greater at all required sampling locations. In the event that any of the quarterly tests show moisture content of less than 1.5%, the owner/operator shall revert back to monthly moisture content testing until three consecutive monthly tests demonstrate a moisture content of 1.5% or greater at all required sampling locations and re-substantiate the quarterly testing frequency. District inspectors may require additional samples be taken and tested during inspections if dusting is noticed.
[District Rules 204 and 1303 BACT]

5. A pressure gauge (psi) shall be installed and maintained in the high pressure water spray system. The pressure gauge shall be of appropriate scale and calibrated according to manufacturer specifications.
[District Rule 1303 BACT]

6. The owner/operator must perform monthly inspections of all wet suppression systems to verify that high pressure water, at a minimum pressure of 150 psig at the manifold, is properly flowing through all discharge spray nozzles. The owner/operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if they find that water is not flowing properly, or, is not flowing at sufficient operating pressures, during inspections. The owner/operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the facility log.
[District Rules 401 and 1303 BACT]

7. Roadways, work areas, stockpiles, and materials being processed shall be kept wetted and/or have sufficient naturally occurring moisture to control fugitive dust. Equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.
[District Rules 401, 402 and 403]

8. The owner/operator must conduct an EPA Method 9 initial compliance test per 40 CFR 60, Subpart LL requirements for each process fugitive emission point associated with this equipment. The initial compliance test must be conducted within 60 days of achieving full production rate but in no case later than 180 days following initial startup. Compliance test shall be carried out in accordance with the test methods defined in 40 CFR 60.11, 40 CFR 60, Subpart LL, Section 60.386, and the District Compliance Test Procedural Manual. Opacity observations shall be conducted (to the extent possible) under normal operating conditions. [40 CFR 60.386]

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

9. The o/o will periodically monitor opacity from fugitive emission points according to the following methodology:
a. The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.
b. If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
c. If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.
[District Rules 204 and 1303]

10. Visible emissions shall not exceed 10% opacity during any one hour (ten 6-minute averages) from process fugitive source including each crusher, screen, conveyor belt transfer point, storage bin, and truck loading station as defined in 40 CFR Part 60, Subpart LL. The opacity standards shall apply at all times except during periods of startup, shutdown, and malfunction.
[40 CFR 60.382(b)]

11. A facility log must be maintained on-site for at least three (3) years and made available to District personnel upon request. This log shall contain, as a minimum:
a. Total tons of product produced per month and per each consecutive twelve-month period;
b. Date and results of each monthly (or quarterly, as applicable) moisture content test required by condition 4;
c. Monthly inspections of water spray system, including dates and any corrective actions taken, as required by Condition 6;
d. Date and result of all required VE observations in accordance with condition 9 and any corrective actions taken.
[District Rules 204, 1303 BACT and 1320]

12. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 60, Subpart LL Standards of Performance for Metallic Mineral Processing Plants and Subpart A-General Provisions. In the event of conflict between Permit conditions and the requirements of 40 CFR Part 60, Subpart LL and Subpart A, the more stringent requirements shall govern.
[District Rule 204]

13. Actual emissions from this facility shall be less than the following:
a. 42 tons per year of NOx [District Rule 1303(B)]
b. 46 tons per year of PM10 [District 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]

14. 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]