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

AUTHORITY TO CONSTRUCT

B014307

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:
PRASEODYMIUM NEODYMIUM CALCINER consisting of:Calciner with burner rated at 4 MMBtu/hr. Ducting and appurtenant equipment for the exhaust gases to be vented to the dust collector.

EQUIPMENT

Capacity	Equipment Description
0.4	562-F66-CAL01 Rotary Calciner, 15 hp (15 HP X 2550 BTU/100,000)
1.5	562-F66-FN06 Rotary Calciner Gear Guard Fan, 60 hp (60 HP X 2550 BTU/100,000)
40	562-F66-BR02 Rotary Calciner Low NOx Burner, 4 MMBtu/hr
1	562-F66-BL05 Rotary Calciner Combustion Air Blower, 40 hp (40 HP X 2550 BTU/100,000)

CONDITIONS:

1.This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or in a manner consistent with safety and good air pollution control practices for minimizing emissions. Furthermore, operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued.
[District Rule 1303(B)]

1.This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the

Fee Schedule:8 (d) Rating:4300000Btu SIC:1099 SCC:30503835 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

manufacturer/supplier and/or in a manner consistent with safety and good air pollution control practices for minimizing emissions. Furthermore, operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued.
[District Rule 1303(B)]

2.This equipment shall operate concurrently with the baghouse specified under valid District permit C014309.
[District Rule 1303]

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[District Rule 1303]

3.Throughput processed may not exceed 28,028 tons/year.
[District Rule 1303 - Offsets]

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[District Rule 1303 - Offsets]

4.This equipment shall be fired on natural gas only (propane may be burned as a backup fuel under natural gas curtailment emergency or for testing), supplied through a non-resettable, totalizing fuel meter.
[District Rule 204]

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[District Rule 204]

5.Emissions from this equipment shall not exceed the following emission limits at any firing rate, verified by fuel use and annual compliance tests:
a. NOx as NO2 - 30.0 ppmvd corrected to 3% O2
b. CO - 50 ppmvd corrected to 3% O2
c. PM10 - 0.094 lb/hr
The owner/operator shall conduct compliance emissions tests at least once every twelve (12) months. The owner/operator must submit a compliance test protocol at least thirty (30) days prior to the compliance test date. The owner/operator must conduct all required compliance 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 test date so that an observer may be present. The final compliance test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rule 1303]

5.Emissions from this equipment shall not exceed the following emission limits at any firing rate, verified by fuel use and annual compliance tests:
a. NOx as NO2 - 30.0 ppmvd corrected to 3% O2
b. CO - 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes
c. PM10 - 0.01 gr/dscf (filterable only BACT)
The owner/operator shall conduct compliance emissions tests at least once every twelve (12) months. The owner/operator must submit a compliance test protocol at least thirty (30) days prior to the compliance test date. The owner/operator must conduct all required compliance 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 test date so that an observer may be present. The final compliance test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 407 and 1303]

6.The owner/operator shall maintain an operations log for this equipment on-site and current for a minimum of five (5) years, and this log shall be provided to District personnel on request. The operations log shall include the following information at a minimum:
a. Records of all maintenance, repairs, and tune-ups, source test results; and,

b. Total fuel consumed on an annual basis: Fuel consumption can be calculated based on fuel purchase records, dedicated fuel meter readings, or other District approved method;
c. Any permanent changes made to the equipment that would affect air pollutant emissions, and indicate when changes were made.
[District Rules 1303 - BACT and 1320]

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a. Records of all maintenance, repairs, and tune-ups, source test results; and,
b. Total fuel consumed on an annual basis: Fuel consumption can be calculated based on fuel purchase records, dedicated fuel meter readings, or other District approved method;
c. Any permanent changes made to the equipment that would affect air pollutant emissions, and indicate when changes were made.
[District Rules 1303 - BACT and 1320]

7.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]

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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]

8.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]

8.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]