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 B014310

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:
PRASEODYMIUM NEODYMIUM PACKAGING SYSTEM consisting of:

EQUIPMENT

Capacity	Equipment Description
0	562-F66-DV06 Calcined Oxide Transport Diverter Valve #1
0	562-F66-DV07 Calcined Oxide Transport Diverter Valve #2
0	562-F66-DV08 Calcined Oxide Transport Diverter Valve #3
0	562-F66-BN03 Blending Bin #1
0	562-F66-BN09 Blending Bin #2
0	562-F66-BN05 Blending Bin #3
0	562-F66-BN06 Blending Bin #4
0	562-F66-DC06 Blending Bin #1 Vent
0	562-F66-DC07 Blending Bin #2 Vent
0	562-F66-DC08 Blending Bin #3 Vent
0	562-F66-DC09 Blending Bin #4 Vent
0.2	562-F66-SAMP02 Blending Bin Sampler #1

Fee Schedule: 1 (b) Rating: 107 bhp SIC: 1099 SCC: 30503814 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
0.2	562-F66-SAMP03 Blending Bin Sampler #2
0.2	562-F66-SAMP04 Blending Bin Sampler #3
0.2	562-F66-SAMP05 Blending Bin Sampler #4
0	562-F66-SG03 Blending Bin Maintenance Gate #1
0	562-F66-SG04 Blending Bin Maintenance Gate #2
0	562-F66-SG05 Blending Bin Maintenance Gate #3
0	562-F66-SG06 Blending Bin Maintenance Gate #4
0	562-F66-BC01 Batching Conveyor #1
0	562-F66-BC02 Batching Conveyor #2
0	562-F66-AREC05 Batching Conveyor Compressed Air Surge Tank 1060 gallon
0	563-F66-BN07 Off-Spec Blending Bin
0	563-F66-DC10 Off-Spec Blending Bin Vent
0	563-F66-SG07 Off-Spec Blending Bin Maintenance Gate
0	562-F66-DV09 Rotary Mixer Diverter Valve
0	562-F66-DV10 Packaging Diverter Valve #1
0	562-F66-BN11 Rotary Mixer Feed Bin
0	562-F66-DC13 Rotary Mixer Feed Bin Vent
0	562-F66-SG09 Rotary Mixer Feed Bin Maintenance Gate
5	562-F66-CV06 Rotary Mixer Feed Screw
60	562-F66-MX03 Rotary Mixer
0	563-F66-BN10 Off-Spec Mixer Feed Bin
0	563-F66-DC14 Off-Spec Mixer Feed Bin Vent
0	563-F66-SG08 Off Spec Mixer Feed Bin Maintenance Gate
5	563-F66-CV12 Rotary Mixer Off Spec Feed Screw
7.5	563-F66-CV13 Rotary Mixer Discharge Inclined Conveyor #1
7.5	563-F66-CV14 Rotary Mixer Discharge Inclined Conveyor #2
0	562-F66-DV11 Rotary Mixer Discharge Diverter Valve
0	562-F66-HP08 Packaging Surge Hopper
0	562-F66-DC22 Packaging Hopper Bin Vent
0	562-F66-PV04 Packaging Transport Hopper
0	562-F66-AREC06 Packaging Transport System Compressed Air Tank 660 gallon
0	562-F66-DV12 Packaging Diverter Valve #2
0	562-F66-BN04 Packaging Bin #1
0	562-F66-DC11 Packaging Bin Vent #1
0	562-F66-SG10 Packaging Bin #1 Maintenance Gate
2	562-F66-RV14 Packaging Bin #1 Airlock
2.5	562-F66-SC01 Product Screener #1
0	562-F66-PK01 Bulk Bag Packager #1
0	562-F66-AV01 Packager #1 Fille/Dribble Valve
1	562-F66-SAF01 Packager #1 Spout Seal Inflation Fan
1	562-F66-CV08 Packager #1 Load Station Conveyor
1	562-F66-CV20 Packager #1 Feed Conveyor
1	562-F66-CV21 Packager #1 Filling Station Conveyor
1	562-F66-CV22 Packager #1 Exit Conveyor
1	562-F66-CV23 Packager #1 Unload Station Conveyor
0	562-F66-SA02 Packager #1 Filling Scale
0	562-F66-BN12 Packaging Bin # 2
0	562-F66-DC16 Packaging Bin Vent # 2
0	562-F66-SG11 Packaging Bin #2 Maintenance Gate
2	562-F66-RV17 Packaging Bin #2 Airlock

Capacity	Equipment Description
2.5	562-F66-SC02 Product Screener #2
0	562-F66-PK02 Bulk Bag Packager #2
0	562-F66-AV02 Packager #2 Fille/Dribble Valve
1	562-F66-SAF02 Packager #2 Spout Seal Inflation Fan
1	562-F66-CV07 Packager #2 Load Station Conveyor
1	562-F66-CV24 Packager #2 Feed Conveyor
1	562-F66-CV25 Packager #2 Filling Station Conveyor
1	562-F66-CV26 Packager #2 Exit Conveyor
1	562-F66-CV27 Packager #2 Unload Station Conveyor
0	562-F66-SA03 Packager #2 Filling Scale
0	562-F66-DV13 Off-Spec Transport Diverter Valve
0	562-F66-BBU01 Bulk Bag Unloader
0	562-F66-PV05 Off Spec Transport Hopper 187 gallon
0	562-F66-AREC07 Off Spec Transport System Compressed Air Tank 660 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. The bulk packager #1 must be vented to the packager dust collector #1 under C014311 when in operation, the bulk packager #2 must be vented to the packager dust collector #2 under C014312 when in operation and the bulk bag unloader must vent to the bulk bag unloader dust collector under C014313 when in operation. All other material handling points except for transfer points are to be fully enclosed, controlled via dust collectors/bin vents and/or maintained at a sufficient moisture content such that there are no visible emissions. The passive bin vents shall be equipped with filters which meet 99.5% control efficiency of particulates at the operating conditions specified in the equipment description. To demonstrate compliance with this opacity limitation the owner/operator shall conduct a monthly 6-minute visible emissions evaluation on each emission point and fugitive emission point associated with this equipment in accordance with USEPA Method 22. The evaluation must be conducted while the affected source is in operation. [District Rule 1303 - BACT]

3. Annual throughput shall not exceed 29,170 tons/year.
[District Rules 1302 and 1320]

4. The owner/operator, o/o, shall maintain the following records at a minimum:
a. Monthly visible emissions determinations as required by condition 2; results logged;
b. Throughput processed lb/year.
Items a and b shall be logged at least monthly. Records shall be maintained current, on-site for a minimum of 5 years and provided to District personnel on request.
[District Rules 401 and 1303 - BACT]

5. 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]

6. 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]