



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

B014417

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:

SODA ASH SYSTEM consisting of:

EQUIPMENT

Capacity	Equipment Description
0	631-J80-BL01 Soda Ash Truck Unloading Blower A
0	631-J80-BL02 Soda Ash Truck Unloading Blower B
0	631-J80-AREC01 Soda Ash Bin Vent #1 Air Receiver
0	631-J80-AREC03 Soda Ash Bin Vent #2 Air Receiver
0	631-J80-AREC02 Soda Ash Air Pad Fluidizer #1 Air Receiver
0	631-J80-AREC04 Soda Ash Air Pad Fluidizer #2 Air Receiver
0	631-J80-SI01 Soda Ash Silo #1
0	631-J80-BNV01 Soda Ash Bin #1 Dust Collector (passive)
0	631-J80-BNA01 Soda Ash Bin #1 Activator
0	631-J80-FE01 Soda Ash Bin #1 Screw Feeder
0	631-J80-HP01 Soda Ash Bin #1 Wetting Cone
0	631-J80-EDU01 Soda Ash Bin #1 Eductor
0	631-J80-SI02 Soda Ash Silo #2
0	631-J80-BNV02 Soda Ash Bin #2 Dust Collector (passive)

Fee Schedule: 1 (b)

Rating: 80 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**
Eldon Heaston
Air Pollution Control Officer

Capacity	Equipment Description
0	631-J80-BNA02 Soda Ash Bin #2 Activator
0	631-J80-FE02 Soda Ash Bin #2 Screw Feeder
0	631-J80-HP02 Soda Ash Bin #2 Wetting Cone
0	631-J80-EDU02 Soda Ash Bin #2 Eductor
40	631-J80-P01 Soda Ash Recirculation Pump
40	631-J80-P02 Soda Ash Recirculation Pump
0	631-J80-TK501 Soda Ash Solution Tank
0	631-J80-AG501 Soda Ash Solution Tank Agitator
0	631-J80-HX501 Soda Ash Solution Tank Heat Exchanger
0	631-J80-HX502 Soda Ash Solution RO Water Heat Exchanger
0	631-J80-P501 Soda Ash Distribution Pump
0	631-J80-P502 Soda Ash Distribution Pump
0	631-J80-P509 Soda Ash Makedown Area Sump Pump

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. All material handling points are to be fully enclosed, controlled via passive dust collectors/bin vents and/or maintained at a sufficient moisture content such that there are no visible emissions. The passive dust collectors/bin vents shall be equipped with filters which meet 99.9% 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 96,710 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 NO_x [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 SO_x
 - 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]