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

PERMIT TO OPERATE

C004922

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

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:
SCRUBBER, CERIUM REDOX consisting of:54-3501 LF Manufacturing caustic scrubber for sodium hypochlorite and HCl fumes, 24" diameter by 23' 7" tall with polypropylene packing and mist eliminators; 54-3502 ID fan, producing 2400 ACFM.; and 54-3503 Scrubber Stack, ancillary equipment are control, MCC and the compressor rooms.

CONDITIONS:

1.This scrubber shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles consistent with minimum emissions of contaminants.

2.This equipment shall operate concurrently with the redox precipitation tanks and associated leach tanks of the Cerium Redox Circuit under valid District permit B004921

3.In operation, the sodium hydroxide (NaOH) concentration in the scrubber solution shall be maintained above 5% percent, by weight.

4.This scrubber shall discharge elemental chlorine at no more than a maximum concentration of 450 parts per million by volume, ppm, v/v. The discharge of hydrogen chloride shall not exceed a concentration of 800 ppm, v/v.[Rule 406]

Fee Schedule:7 (h) Rating:1device SIC:1099 SCC:99999999 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

5.A flowmeter indicating gallons per minute (GPM) of srubber solution shall be installed and maintained to measure the flowrate of water supplying the scrubber nozzles.

6.The flowrate of scrubber solution supplying the scrubber nozzles shall be at least 5 gallons per minute when the equipment is in operation.

7.Every three years commencing September 28, 2010, the o/o shall conduct an emissions test for those compounds described in condition 4 above, in strict accord with all the procedures delineated in the District's "Compliance Test Procedural Manual". This testing is necessary to demonstrate compliance with permit condition 4 (District Rule 406). The District shall be notified no less than 10 working days prior to the actual testing date and receive the final report of emissions no later than 45 days subsequent to the final day of on-site sampling/measurements.

8.The o/o shall maintain a log for this equipment which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State, or Federal personnel on request:
a. Records of any maintenance and repairs.
b. Scrubber solution weekly flow rate readings.
c. Daily record of NaOH concentration (in weight percent) in the scrubber solution.
d. The results of the triennial compliance tests.

9.(a) Mountain Pass Mine Facility Emissions Limits: The total criteria pollutant emissions for the Mountain Pass Mine shall be less than: 42 tons per year of NOx, 25 tons per year of VOC, 46 tons per year of PM10, 25 tons per year of SOx, and 100 tons per year of CO. The total emissions of Hazardous Air Pollutants (HAPs) for the Mountain Pass Mine shall be less than 10 tons per year for any single HAP and 25 tons per year for any combination of HAPs calculated on an annual 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).
(b) Monitoring, Periodic Monitoring & Recordkeeping Conditions. This facility shall demonstrate compliance with the specific facilitywide emission limits through the submission of an approved CEIP and CEIR. The CEIP and CEIR shall be based on actual emissions as determined by source test of the equipment or on district approved methods and emissions factors only. Generic or default emission factors shall not be used without approval from the District. The Comprehensive Emission Inventory Plan (CEIP) shall be due no later than March 31 of the year following the year of the actual emissions to be reported. Emissions will be calculated separately for each emissions source on a monthly basis and used to calculate the 12 month rolling annual total. All emissions sources including all permit units will be summed on a monthly basis and used to calculate the 12 month rolling annual total. The permit unit and facilitywide monthly emissions, 12 month rolling annual emissions total, and approved CEIR shall be kept on site and provided to District personnel upon request.
(c) A facility wide Comprehensive Emission Inventory (CEIR) must be submitted to the District, in a format approved by the District, for all emitted criteria air pollutant on a yearly basis, and every three years for toxic air pollutants, which is to be received by the District no later than April 30 of the following year.
[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]
[Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[California Clean Air Act, Health and Safety Code \S\S39607 and \S\S44300 et seq., and the Federal Clean Air Act, \S110(a)(2)(F)(ii), codified in 40 CFR 60]