



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

14306 Park Avenue Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

**INACTIVE**

B002371

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: FEBRUARY 2013**

**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:**

SOLVENT EXTRACTION,- CIRCUIT No. 4 consisting of:

**EQUIPMENT**

Capacity	Equipment Description
0	T-SX-401 SX No. 4 Feed Tank, 1692 gal
25.75	AG-SX-400 Extraction Cell, 75 total, each @ 0.33 hp; total volume: 17,520 gal
2	T-LP-207 Gd, Tb and LnO Dissolving Tank (5000 gal) and Agitator, 2 hp
1	P-LP-207-1 Gd, Tb and LnO Dissolving Tank Discharge Pump
0	T-SP-201 SX No. 4 Feed Surge Tank, 7000 gal
1	P-SP-201-1 SX No. 4 Feed Surge Tank Pump
0.5	T-LP-209A SX No. 4 Feed Adjust Tank (1510 gal), with Agitator
0.5	T-LP-210b SX No. 4 Feed Adjust Tank (1510 gal), with Agitator
0.5	P-LP-209A1 Feed Adjust Tank Pump
1	P-SX-401-1 SX No. 4 Feed Tank Pump
0	T-SX-402 SX No. 4 Feed Head Tank, 60 gal
1	T-SX-404 Barren Organic Pump Tank, 157 gal
0	P-SX-405 Barren Organic Head Tank, 534 gal
0	T-SX-406 Organic Surge Tank, 13,700 gal
1	P-SX-406-1 Organic Surge Tank Pump
1	T-SX-403 Gd Raffinate Trap and Pump Tank, 157 gal

Fee Schedule: 1 (c)

Rating: 253.25 bhp

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, NV 89135

By: **COPY**  
**Eldon Heaston**  
Air Pollution Control Officer

Capacity	Equipment Description
1	T-SX-407 Heavies Pregnant Solution Trap and Pump Tank, 157 gal
1	T-SX-410 Tb Pregnant Solution Trap and Pump Tank, 157 gal
0	T-SX-409 Heavies Surge Tank, 5287 gal
1	P-SX-409-1 Heavies Surge Tank Pump
3	T-HP-211 Heavies Precipitation Tank (3760 miles) with Agitator
0	P-HP-211 Heavies Filter Press
0	T-HP-211 Heavies Thickener Overflow Tank, 157 gal
1	P-HP-213-1 Heavies Thickener Overflow Tank Pump
1.5	T-SX-412 Tb Quality Control Tank (800 gal), with Agitator
1.5	T-SX-413 Tb Quality Control Tank (800 gal), with Agitator
1	P-SX-412-1 Tb Quality Control Tank Pump
0	T-SX-414 Tb Surge Tank, 2303 gal
1	P-SX-414-1 Tb Surge Tank Pump
3	T-TP-214 Tb Precipitation Tank (2750 gal), with Agitator
0	F-TB-216 Tb Filter, 185 gal
201	DELTECH electric Product Furnace rated at 150 kW(e)
2	Sweco Screen, single deck

## CONDITIONS:

1. This equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier.

2. Mountain Pass Mine Voluntary Emissions Limit/Synthetic Minor Hazardous Air Pollutant Limits:

(a). General Limits for Entire Facility. The total emissions for the Mountain Pass Mine shall be less than 25 tons per year of VOC. The total emissions of Hazardous Air Pollutants (HAPs) for the Mountain Pass Mine shall not exceed 7 tons per year for any single HAP and 18 tons per year for any combination of HAPs calculated on an annual basis. HAPs are defined in 40 CFR 61.01 Lists of pollutants and are the chemical compounds listed in section 112(b) of the Clean Air Act (Act).

(b). Monitoring, Periodic Monitoring & Recordkeeping Conditions. To prove compliance with condition (a) above, permittee shall maintain usage records of all VOC- and HAP-containing solvent materials. Such records shall be compiled into an annual usage report and total HAP emissions from solvent operations shall be added to the annual HAP emissions from fuel burning and other HAP emitting equipment. Annual HAP/VOC emissions from fuel burning and other emitting equipment for purposes of this condition shall be determined by use of HAP/VOC emissions factors (as set forth by District approved emission factors), or by annual actual emissions as determined by source test of the equipment, or by methods and emission factors established in an approved comprehensive Emission Inventory Plan (CEIP).

[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 Subpart Q]