



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

E011176

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: FEBRUARY 2021

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:

DIESEL IC ENGINE, EMERGENCY GENERATOR #2 consisting of: Model Year 2010, Engine Family ACPXL106.T2E, Tier II

One Caterpillar, Diesel fired internal combustion engine Model No. 175-16 and Serial No. TBD, Direct Injected, producing 3670 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 213.0 gal/hr. This equipment powers a TBD Generator Model No. TBD and Serial No. TBD, rated at 3 MW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	11.472	lbs/hr
NOx	35.563	lbs/hr
PM10	0.966	lbs/hr
SOx	0.045	lbs/hr
VOC	1.872	lbs/hr

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord 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.

Fee Schedule: 7 (g)

Rating: 3670 device

SIC: 1099

SCC: 20100102

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

2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
3. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. (Title 17 CCR \S93115.10(e)(1)).
4. This unit shall be limited to use for emergency power, defined as in response to a fire or to provide power during the loss of all or part of commercially available power or natural gas supply to the facility has been interrupted for causes which are beyond the owner/operator's control. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit.
5. This facility shall not perform concurrent testing of more than one internal combustion engine.
6. The owner/operator (o/o) shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of five (5) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
7. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.
8. This unit is subject to the requirements of the Federal National Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII).
9. The owner/operator must surrender to the District sufficient valid Emission Reduction Credits for this equipment before the start of construction of any part of the project for which this equipment is intended to be used. In accordance with Regulation XIII the owner/operator shall obtain 17 tons of NOx offsets and 46 tons of PM10 offsets for the new equipment proposed for Stage I and Stage II of the project.
10. PM10 Emissions from the CHP Plant including all equipment under District permit numbers: B011111, B011112, B011177, B011184, B011185, B011186, C011113, C011114, C011178, C011179, C011180, C011181, C011182, C011183, E011115, E011175, E011176 shall not exceed 36.1 tons/year. Cumulative PM10 emissions from the CHP Plant shall be calculated on a monthly basis in lb/month and tons per rolling twelve months. PM10 emissions calculations for the CHP plant shall be made available to the District upon request and shall be kept on site for a minimum of five (5) years.
11. 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 9.9 tons per year for any single HAP and 24.9 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 added to the Potential to Emit from permitted equipment to show that HAP limits cannot be exceeded per the PTE calculations as approved by the district. For equipment where PTE calculations are not available, annual total HAP emissions shall be calculated from solvent operations and be added to the annual HAP emissions from fuel burning and other HAP emitting equipment. Annual or PTE 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).
 - (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 May 31 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 Subpart Q]