



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

E010971

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: APRIL 2027

OWNER OF OPERATOR (Co. #118)

Mitsubishi Cement Corporation
5808 State Highway 18
Lucerne Valley, CA 92356

EQUIPMENT LOCATION (Fac. #1)

Mitsubishi Cement - Cushenbury Plant
5808 Highway 18
Lucerne Valley, CA 92356

Description:

DIESEL IC ENGINE, EMERGENCY/DRP GENERATOR (733-003) consisting of: Model Year 2010, Tier II, Engine Family ACPXL18.1ESW, vented to a CleanAIR Systems Diesel Particulate Trap, Model 1-Permit Filter, Serial Number 85357; CARB EO# DE-05-002-02

One Caterpillar, Diesel fired internal combustion engine Model No. C18-600KW and Serial No. EST01025, After Cooled, Direct Injected, Turbo Charged, producing 923 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 43.0 gal/hr. This equipment powers a Caterpillar Generator Model No. LC7024L and Serial No. G7A03092, rated at 600 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.597	gm/bhp-hr
NOx	6.08	gm/bhp-hr
PM10	0.2	gm/bhp-hr
SOx	0.0043	gm/bhp-hr
VOC	0.32	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 3241

SCC: 20100102

Location/UTM(Km):
514E/3802N

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.

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By: **COPY**
Brad Poiriez
Executive Director

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.

2. Engine may operate in response to notification of impending involuntary rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

3. 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.

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

5. This unit shall be limited to use for emergency power and as part of a Demand Response Program (DRP). Emergency is defined as in response to a fire or when commercially available power has been interrupted. As this engine is equipped with a DPT and emits less than 0.01 g/bhp-hr, or meets the alternative compliance demonstration referenced in 93115.13, it shall be operated no more than 100 hours per year for testing and maintenance, excluding compliance source testing. Use during ISC IS LIMITED TO 150 HOURS PER YEAR.

6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of two (2) years, 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) recorded from the non-resettable hour meter;
 - 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 genset 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 requirements shall govern.

8. This unit may be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

9. This ICE shall not operate unless vented through a properly operating CleanAIR Systems Diesel Particulate Trap, Model 1-Permit Filter, Serial Number 85357; CARB EO# DE-05-002-02.