



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

E012737

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 2025

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, PORTABLE*, EMERGENCY/DRP GENERATOR (733-009) consisting of: *This engine is considered portable, but meets the emission standards of the stationary ATCM. Year of Manufacturer 2016, Tier 4, USEPA Family Name GCXL06.7AAL.

One Cummins, Diesel fired internal combustion engine Model No. QSB7-G9 and Serial No. 5182885, producing 314 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 15.6 gal/hr. This equipment powers a Cummins Generator Model No. C200D2RE and Serial No. K160991347, rated at 200 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.6	gm/bhp-hr
NOx	0.30	gm/bhp-hr
PM10	0.15	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.07	gm/bhp-hr

CONDITIONS:

1. This certified stationary compression-ignited internal combustion engine 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 air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and

Fee Schedule: 7 (g)

Rating: 314 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.

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

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

specifications submitted with the application for this permit.
[40 CFR 60.4211(a)]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed operating time.
[District Rule 1302 (C)(2)(a)]
[Title 17 CCR 93115.10(d)]
[Title 40 CFR 60.4214(b)]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

- (a) Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
- (b) A cetane index or aromatic content, as follows:
 - (i) A minimum cetane index of 40; or,
 - (ii) A maximum aromatic content of 35 volume percent.

Note: Use of CARB certified ULSD fuel satisfies the requirements of subparagraph 3.b above.

[17 CCR 93115.5(a)]

[40 CFR 60.4207(b)]

4. This engine is limited to "emergency use" or "DRP use" only.

"Emergency use" is defined as providing electrical power or mechanical work during any of the following events and subject to the following conditions:

- (a) The failure or loss of all or part of normal electrical power service or normal natural gas supply to the facility:
 - (i) Which is caused by any reason other than the enforcement of a contractual obligation the owner/operator has with a third party or any other party; and,
 - (ii) Which is demonstrated by the owner/operator to the APCO's satisfaction to have been beyond the reasonable control of the owner operator.
- (b) The failure of a facility's internal power distribution system:
 - (i) Which is caused by any reason other than the enforcement of a contractual obligation the owner/operator has with a third party or any other party; and,
 - (ii) Which is demonstrated by the owner/operator to the APCO's satisfaction to have been beyond the reasonable control of the owner operator.

[17 CCR 93115.4(a)(30)]

[Title 40 CFR 60.4219]

"Demand Response Program (DRP) use" is defined as providing electrical power for the purposes of reducing electrical demand using an Interruptible Service Contract (ISC) and meets all of the following requirements:

- (a) The Utility Distribution Company has ordered rotating outages in the control area where the engine is located, or has indicated it expects to issue such an order at a specified time, and the dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.; and,
- (b) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines; and,
- (c) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator; and,
- (d) The engine is in a specific location that is subject to the rotating outage in the control area, and the power is provided only to the facility itself or to support the local transmission and distribution system; and,
- (e) The engine is operated no more than 30 minutes prior to the time when the Utility Distribution Company officially forecasts a rotating outage in the control area; and,
- (f) The engine is terminated immediately after the Utility Distribution Company advises that rotating outage is no longer imminent or in effect.

[District Rule 1302(C)(2)(a)]

[17 CCR 93115.6(c)(1)(B)]

[Title 40 CFR 60.4211(f)(3)(i)]

5. There is no time limit on "emergency use"; however, this engine shall not be operated for more than 100 hours in any calendar year for all other use (DRP use, testing, maintenance, etc.).

[District Rule 1302(C)(2)(iii)]

[Title 40 CFR 60.4243(d)(1) and (f)(3)(i)]

6. This engine and associated equipment may be moved and operated at various locations within this facility, but is not required to be moved as it is subject to, and meets, the requirements of Title 17 CCR 93115 - Airborne Toxic Control Measure for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

7. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location), for a minimum of five (5) 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, reason for each use (emergency use, DRP use, testing, maintenance, etc.), location of each use, and duration of each use (in hours);

(b) Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,

(c) Documentation to verify compliance with the diesel fuel requirements of condition 3.

[District Rule 1302 (C)(2)(a)]

[Title 17 93115.10(f)]

[40 CFR 70.6 (a)(3)(B)]

8. If this engine operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in ? 60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified as DRP use (? 60.4211(f)(3)(i)), the owner/operator must submit an annual report containing the following information:

(a) Company name and address where the engine is located.

(b) Date of the report and beginning and ending dates of the reporting period.

(c) Engine site rating and model year.

(d) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(e) Hours operated for the purposes specified in ? 60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in ? 60.4211(f)(2)(ii) and (iii).

(f) Number of hours the engine is contractually obligated to be available for the purposes specified in ? 60.4211(f)(2)(ii) and (iii).

(g) Hours spent for operation for the purposes specified in ? 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in ? 60.4211(f)(3)(i).

(h) The entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year. The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in ? 60.4.

[Title 40 CFR 60.4214(d)]

9. The engine permitted under District permit E012737 must not commence operations until the engine permitted under District permit E008203 is removed from service as the associated emissions from this engine (E012737) have been simultaneously offset by the removal of the engine permitted under District permit E008203.

[District Rule 1302(C)(2)(iii)]

10. 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]

11. This engine must not commence operation until the Diesel IC Engine permitted under E008203 is removed from service as Simultaneous Emission Reductions were used to offset the emissions of this engine. [District Rule 1304].