



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

PERMIT TO OPERATE

E001910

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: JUNE 2025

OWNER OF OPERATOR (Co. #1)

CEMEX Construction Materials Pacific LLC
16888 North E Street
Victorville, CA92392

EQUIPMENT LOCATION (Fac. #5)

CEMEX - Black Mountain Quarry Plant
25220 Black Mountain Quarry Road
Apple Valley, CA92307

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Year Of Manufacture: 02-10-72; Tier 0; One 1,000 kW standby generator, skid mounted, weather enclosed, Steward & Stevenson Services with GM Electromotive Diesel Engine, work order No. 65487. Equivalent hp - 1,341

One GM Electromotive, Diesel fired internal combustion engine Model No. work order No. 65487 and Serial No. Unknown, producing 1341 bhp with 0 cylinders at 0 rpm while consuming a maximum of 0.0. This equipment powers a Steward & Stevenson Generator Model No. Unknown and Serial No. Unknown, rated at 1000 Kw(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	3.03	gm/bhp-hr
NOx	14.06	gm/bhp-hr
PM10	0.998	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	1.139	gm/bhp-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

Fee Schedule: 7 (g) Rating: 1 device SIC: 3241 SCC: 20100102 Location/UTM(Km): 476E/3826N

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.

CEMEX Construction Materials Pacific
LLC
16888 North E Street
Victorville, CA92392

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

shall also be operated in accordance with all data and specifications submitted with the application for this permit. [40 CFR Part 63, Subpart ZZZZ; Rule 204]

2.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [17 CCR 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR Subpart ZZZZ]

3.This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [17 CCR 93115]

4.Engine may operate in response to notification of impending 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. [17 CCR 93115]

5.This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit. [17 CCR 93115]

6.Owner/operator shall meet the following requirements;

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in Subsection 63.6625(i) in order to extend this requirement.
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [Rule 204]

7.The o/o shall maintain a 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 and duration of each use (in hours);
- b. Record(s) of engine maintenance including those specified in condition 6;
- c. Reason for use (testing & maintenance, emergency, required emission testing);
- d. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- e. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [17 CCR 93115]

8.This unit shall not 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. [17 CCR 93115]

9.The combined emissions from all permitted combustion source, including but not limited to Kilns Q2 and Q3 and Burners on Roll Press 1 and 2, on any fuel or mix of fuels, shall not exceed the following daily (midnight to midnight) limits, calculated on a rolling thirty (30) day arithmetic average basis:

- a. NO_x - 42,207 lbs (verified by CEMS and CERMS for kiln and Source Test and Production Logs for Roll Press Burners and other combustion sources)
- b. NO_x - 19,314 lbs (verified by CEMS and CERMS for kiln and Source Test and Production Logs for Roll Press Burners and other combustion sources) on and after October 1, 2009
- c. SO_x - 4,220 lbs (verified by CEMS and CERMS for kiln and Source Test and Production Logs for Roll Press Burners and other combustion sources)
- d. CO - 27,522 lbs (verified by CEMS and CERMS for kiln and Source Test and Production Logs for Roll Press Burners and other combustion sources)
- e. VOC - 2,139 lbs (verified by annual source test and CERMS for kiln and Source Test and Production Logs for Roll Press Burners and other combustion sources)
- f. Main Stack TSP - 1,435 lbs (verified by annual source test and CERMS for kiln and Source Test and Production Logs for Roll Press Burners and other combustion sources)
- g. Clinker Cooler Stack TSP (Q2 clinker cooler only) - 699 lbs (verified by annual source test and clinker production)

h. Use vendor emission data to quantify emissions from this device.
[Rule 204, 40 CFR 52.220(c)(39)(ii)(B)]