



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B013522

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: JUNE 2025

OWNER OF OPERATOR (Co.#1)

CEMEX Construction Materials Pacific LLC
16888 North E Street
Victorville, CA 92392

EQUIPMENT LOCATION (Fac.#5)

CEMEX - Black Mountain Quarry Plant
25220 Black Mountain Quarry Road
Apple Valley, CA 92307

Description:

DIESEL IC ENGINE, PORTABLE AIR COMPRESSOR consisting of: A certified Tier 4f diesel engine, EPA Family JJDXL06.8309, manufactured in 2018 and equipped with factory-installed emission controls. Exhaust flow is approximately 812 ACFM at 685 degrees Fahrenheit through a 6.9 foot tall by 4 inch diameter stack. Equipment elevation is 3620 feet above sea level.

One John Deere, Diesel fired internal combustion engine Model No. 6068HFC08-B and Serial No. PE6068U063710, Charge Air Cooler, Diesel Oxidation Catalyst, Diesel Particulate Filter, Selective Catalytic Reduction, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, Compression-Ignited, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Periodic Trap Oxidizer, Turbo Charged, producing 187 bhp with 6 cylinders at 2200 rpm while consuming a maximum of 10.1 gal/hr. This equipment powers an Atlas Copco Compressor Model No. XAS 900 and Serial No. HOP081888, rated at 810 acfm at 125 psig.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	.075	gm/bhp-hr
NOx	0.045	gm/bhp-hr
PM10	0.0022	gm/bhp-hr
SOx	0.0058	gm/bhp-hr
VOC	0.015	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (c) Rating: 250bhp 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, CA 92392

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

1.This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302]

1.This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302]

2.This engine and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved for a valid business purpose annually.) This engine may be used at either the Black Mountain Quarry or the River Plant.
[Title 17 CCR 93116.2(bb)] [District Rules 1302, 1303, and 1320]

2.This engine and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved for a valid business purpose annually.) This engine may be used at either the Black Mountain Quarry or the River Plant.
[District Rules 1302, 1303 and 1320; Title 17 CCR 93116.2(bb)]

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; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.
[Title 17 CCR 93116.3(a)]

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[Title 17 CCR 93116.3(a)]

4.This engine shall not be operated unless all of the following emission control systems are properly functioning:
a. Ammonia Oxidation Catalyst;
b. Diesel Oxidation Catalyst;
c. Periodic Trap Oxidizer;
d. Diesel Particulate Filter, and
e. Selective Catalytic Reduction System.
Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[40 CFR 60.4211, MDAQMD Rule 1302]

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e. Selective Catalytic Reduction System.
Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[40 CFR 60.4211, MDAQMD Rule 1302]

5.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93116.4(c)(2)(A)]

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6.This engine shall not operate for more than 8760 hours in any consecutive 12 month period.
[District Rules 1302 and 1320]

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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. Monthly and consecutive 12 month period hours of operation (in hours);
- b. Calendar year operation in terms of fuel consumption (in gallons) or total hours (to assist in CEI data collection);
- c. Description of all repairs and/or maintenance actions on this engine and on any of the emission control systems noted in Condition #4; and,
- d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Title 17 CCR 93116.4(c)]

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:

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- c. Description of all repairs and/or maintenance actions on this engine and on any of the emission control systems noted in Condition #4; and,
- d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Title 17 CCR 93116.4(c)]

8.This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
[Title 17 CCR 93116, District Rule 1302]

8.This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
[Title 17 CCR 93116, District Rule 1302]

9.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]

9.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]