



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

E009216

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: JULY 2026

OWNER OF OPERATOR (Co. #1328)

Lowe's Companies, Inc
1000 Lowes Blvd.
 Mooresville, NC 28117

EQUIPMENT LOCATION (Fac. #2775)

Lowe's Store # 2528
12189 Apple Valley Road
Apple Valley, CA 92307

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A certified Tier 2 engine, USEPA Family 5VPXL12.1ACB, manufactured in 2005 with no exhaust after-treatment device installed. This engine meets the definition of Existing Commercial Emergency RICE pursuant to 40 CFR 63 Subpart ZZZZ Section 63.6585(f)(2) and operated at an area HAP source therefore it exempt from the requirements of the NESHAP.

One AB Volvo Penta, Diesel fired internal combustion engine Model No. D350 12.1A65 and Serial No. D12*484347*D1*A, producing 527 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 180.0 lbs/hr. This equipment powers a Kohler Generator Model No. D350 and Serial No. 2042539, rated at 355 kW, 444KVA at 0.8 PF, 277/480 VAC 3 phase, 60.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.42	gm/bhp-hr
NOx	4.23	gm/bhp-hr
PM10	0.1	gm/bhp-hr
VOC	0.218	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 5211

SCC: 20100102

Location/UTM(Km):
478E/3814N

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.

Lowe's Companies, Inc
1000 Lowes Blvd.

Mooresville, NC 28117

By: **COPY**

Eldon Heaston
Air Pollution Control Officer

1. This existing, diesel engine, and any associated air pollution control 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.
[District Rule 204]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d)]

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, equal to 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.

[17 CCR 93115.5(a)]

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

4. This equipment shall be limited to use for emergency power, 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.
[17 CCR 93115.6(b)(3) and 40 CFR 60.4211(e)]

5. The owner/operator shall maintain an operations log for this equipment 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/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:

a. Date of each use and hours of operation with documentation of how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation, including what classified the operation as non-emergency. [17 CCR 93115.10(f); and,

b. Monthly and calendar year operation in terms of total hours, both emergency and non-emergency use, classified as described in a. above [17 CCR 93115.10(f)]; and,

c. Monthly fuel use [17 CCR 93115.10(f)]; and,

d. Fuel sulfur concentration as required by condition 2 (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log); and,

e. Maintenance performed on this equipment.

6. If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required by condition 6, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

[District Rule 1320; 17 CCR 93115]

7. The owner/operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply.

[[17 CCR 93115]

8. This equipment 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 93115.6(b)(1)]

9. This equipment 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 93115.6(c)(2)(C)]

10. 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 conditions and the referenced regulatory citations, the more stringent requirements shall govern.

[District Rule 204]

11. 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]