



# 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

E009750

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: MAY 2026**

### OWNER OF OPERATOR (Co. #2239)

CalPortland Company  
19409 National Trails Hwy  
Oro Grande, CA 92368

### EQUIPMENT LOCATION (Fac. #3)

CalPortland Oro Grande  
19409 National Trails Hwy  
Oro Grande, CA 92368

#### **Description:**

DIESEL IC ENGINE, EMERGENCY FIRE PUMP consisting of: A Tier 2 diesel engine, manufactured in 2006 with no exhaust after-treatment device installed. Exhaust flow is approximately 952 cfm, at 973 degrees Fahrenheit.

One John Deere, Diesel fired internal combustion engine Model No. JU6H-UF60 and Serial No. PE6068H597960, Turbo Charged, producing 200 bhp with 6 cylinders at 2350 rpm while consuming a maximum of 10.0 gal/hr. This equipment powers a Clarke Fire Pump Model No. 393H8100 and Serial No. 06-046655-01-01/KB872P, rated at 149 kW.

#### **EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	0.47	gm/bhp-hr
NOx	4.66	gm/bhp-hr
NOx+NMHC	4.90	gm/bhp-hr
PM10	0.15	gm/bhp-hr
VOC	0.24	gm/bhp-hr

#### **CONDITIONS:**

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 3241

SCC: 20100102

Location/UTM(Km):  
469E/3830N

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.

CalPortland Company  
Attn: Catalina Elias  
  
Oro Grande, CA 92368

By: **COPY**  
Eldon Heaston  
Air Pollution Control Officer

1. This equipment must 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 contaminants. Unless otherwise noted, this equipment must also be operated in accordance with all data and specifications submitted with the application for this permit.  
[District Rule 204; 40 CFR 60.4206, 60.4211(a), 4211(b)]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.  
[17 CCR 93115.10(d); 40 CFR 60.4209(a)]

3. This engine 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 above requirements.

[District Rule 431; Title 17 CCR 93115.5(a); 40 CFR 60.4207(b), 80.510(b)]

4. 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 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit.

[17 CCR 93115.6(a)(4)(B)(2)]

5. The hour limit of condition 4 may be exceeded when the emergency fire assembly is driven directly by a stationary diesel-fired compression ignition engine when operated in accordance with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems." 2006 edition or the most current edition approved by the CARB Executive Officer.[17 CCR 93115(c)(16)]

6. The owner/operator (o/o) shall maintain an operations log for this unit current and onsite, either at the engine location or at an on-site 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) Reason for use (testing & maintenance, emergency, non-emergency, required emission testing);

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

(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);

(e) Occurrence and duration of any malfunction(s) of the equipment; and,

(f) All required maintenance performed on the equipment.

[District Rule 1302; 17 CCR 93115.10(f); 40 CFR 63.6655(a)]

7. Pursuant to 40 CFR 63 Subpart ZZZZ section 63.6640(f), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines.

[40 CFR 63.6640(f)]