



# 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

B015220

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: 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, GENERATOR consisting of: A certified Tier 4f diesel engine, USEPA Family NPKXL04.4MU1, manufactured in 2022 and equipped with factory-installed emission control. Exhaust flow is 590 cfm at 884 degrees Fahrenheit through a 7.2 foot tall by 4 inch diameter stack.

One TBD, Diesel fired internal combustion engine Model No. TBD and Serial No. TBD, Direct Injected, Turbo Charged, Selective Catalytic Reduction, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Electronic Control Module, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, Charge Air Cooler, producing 174 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 8.3 gal/hr. This equipment powers a TBD Generator Model No. TBD and Serial No. TBD, rated at TBD.

#### **EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	0.022	gm/bhp-hr
NOx	0.209	gm/bhp-hr
PM10	0.015	gm/bhp-hr
PM2.5	0.015	gm/bhp-hr
SOx	0.006	gm/bhp-hr
VOC	0.007	gm/bhp-hr

#### **CONDITIONS:**

Fee Schedule: 1 (b)

Rating: 174 bhp

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 certified Tier 4 Final compression-ignited internal combustion engine and its associated emission control systems 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 specifications submitted with the application for this permit.  
[District Rule 1302; 40 CFR 60.4211(a)]

2. This engine shall not be operated unless all of the following emission control systems are properly functioning:

- Ammonia Oxidation Catalyst;
- Diesel Oxidation Catalyst;
- Selective Catalytic Reduction System; and,
- Turbocharger.

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.  
[District Rule 1302; 40 CFR 60.4211]

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:

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

[17 CCR 93115.5(a), 40 CFR 60.4207(b) and 40 CFR 1090.305]

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

4. 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 93115.10(d)]

5. The owner/operator shall maintain an operations log for this engine 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 following information:

- Date and duration of each use;
- Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- Date of each maintenance action or repair on any equipment noted in Condition #2;
- Description of each maintenance action or repair on any equipment noted in Condition #2;
- Fuel sulfur concentration as required by condition #3 (you may use the supplier's certification of sulfur content if it is maintained as part of this log);
- Calendar year operating hours as determined by the installed hour meter (to assist in CEI calculations); and
- Results of all inspections as required by condition #10 and any source testing conducted on the engine.

[District Rules 1302 and 1320; Title 17 CCR 93115]

6. This engine shall not operate for more than 8,000 hours in any consecutive 12 month period. Before this limitation can be increased, the facility is required to submit to the District an application to modify the permit, which may trigger BACT review and may necessitate a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.

[District Rules 1302, 1303, and 1320]

7. This engine may be relocated throughout this facility in support of operations without prior notification being sent to the District, but shall not be used within 1000 feet of any K-12 school, residence, hospital, or other sensitive receptor location. Sensitive receptor locations include, but are not limited to, hospitals, schools, and day care centers, and such other locations as the District board or California Air Resources Board may determine.

[District Rule 204 and H&S Code 42705.5(a)(5)]

8. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent

requirements shall govern.  
[District Rule 1302]

9. Any engine operated under this permit and rated between 100-173.1 bhp must be certified to meet the following emission standards. The owner/operator must comply with the emission standards over the entire life of the engine. Compliance must be demonstrated with a USEPA Certificate of Conformity, a CARB Executive Order or a manufacturer's guarantee.

Maximum Allowable Emission Standards:

- a. NOx: 0.28 g/kW-hr (0.21 g/bhp-hr);
- b. CO: 0.03 g/kW-hr (0.02 g/bhp-hr);
- c. PM: 0.02 g/kW-hr (0.01 g/bhp-hr); and,
- d. NMHC: 0.01 g/kW-hr (0.008 g/bhp-hr);

Certification documentation for the emission standards must be retained with the engine and shall be provided to District, State and Federal personnel upon request.

[District Rule 1303, Title 17 CCR 93115, and 40 CFR 60, Subpart III]

10. The engine operating under this permit must be rated between 100-173.1 bhp.

[District Rule 1303]

11. The owner/operator must comply with the emission standards under District Rule 1160(C)(1) over the entire life of the engine. Compliance may be demonstrated by meeting certified manufacturer emission rates, pursuant to (E)(1)(c)(ii).

Maximum Allowable Emission Standards:

- a. NOx: 80 ppmvd corrected to 15% O<sub>2</sub>;
- b. VOC: 106 ppmvd corrected to 15% O<sub>2</sub>; and
- c. CO: 4500 ppmvd corrected to 15% O<sub>2</sub>.

Documentation from the manufacturer stating that the engine is certified to meet the emission standards must be retained on-site (or at a central location) and shall be provided to District, State and Federal personnel upon request.

[District Rule 1160]

12. This engine must be inspected at least once each quarter or after every 2,000 hours of operation, whichever is more frequent. An inspection includes any testing, maintenance, and/or other procedures that ensure the engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of District Rule 1160. Records of such inspections must include the following information as a minimum:

- a. Inspection date;
- b. Records of testing, as applicable; and
- c. Records of maintenance.

[District Rule 1160(E)(1)(a)]

13. Emissions from this equipment have been offset by Simultaneous Emission Reductions (SERs) from the road paving project covering 14,900 square feet at the Packhouse Road roadway. Road start point is defined as: from lat/long of 34.60999/-117.34082, terminating at a lat/long of 34.60415/-117.33862. This road shall be maintained in good order, free from pot holes and excessive dirt as to minimize fugitive particulate emissions.

[District Rules 204, 1302, 1303 and 1305]

14. 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; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]