



# 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

E015361

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: NOVEMBER 2026

#### OWNER OF OPERATOR (Co. #1136)

CALTRANS  
464 West 4th Street, 6th Floor  
San Bernardino, CA 92401-1400

#### EQUIPMENT LOCATION (Fac. #880)

Caltrans - West Cajon Valley  
14757 Highway 138  
West Cajon Valley, CA 92371

#### Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A Certified Tier 3 diesel engine, USEPA family GFPXL06.7DGB, manufactured in 2016. Exhaust flow approximately 1022 SCFM, at 885 degrees Fahrenheit through an estimated 8.9 foot high by TBD foot diameter exhaust stack. Facility elevation is 3159 feet above MSL.

One FPT/Iveco, Diesel fired internal combustion engine Model No. F4GE9685A\*J and Serial No. 01422829, Turbo Charged, After Cooled, Compression-Ignited, producing 198 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 7.5 gal/hr. This equipment powers a Generac Generator Model No. SD100 and Serial No. 3001151134, rated at 100kW.

#### EMISSIONS RATES

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 0.67          | gm/bhp-hr |
| NOx           | 2.68          | gm/bhp-hr |
| PM10          | 0.119         | gm/bhp-hr |
| PM2.5         | 0.119         | gm/bhp-hr |
| SOx           | 0.0036        | gm/bhp-hr |
| VOC           | 0.08          | gm/bhp-hr |

#### CONDITIONS:

Fee Schedule: 7 (g)

Rating: 198 device

SIC: 9621

SCC: 20100102

Location/UTM(Km):  
465E/3797N

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.

CALTRANS  
464 W 4th St, MS1108-Mtce Support  
San Bernardino, CA 92401-1400

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

1. This certified Tier 3 stationary compression-ignited internal combustion engine and any associated air pollution control equipment, 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 204; 40 CFR 60.4211(a)]

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)(1)]

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, 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.

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

Note: Use of CARB certified ULSD fuel satisfies these requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of three (3) 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:

a. Date of each use and duration of each use (in hours);

b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);

c. Monthly and consecutive 12 month period operation in terms of fuel consumption (in gallons) or total hours (both emergency and non-emergency use, classified as described in b. above);

d. Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log);

e. Maintenance performed on this equipment;

f. Calendar year operating hours to assist CEI calculations.

[17 CCR 93115.10(e,f)]

5. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. Based on the diesel particulate emissions rate, this engine shall be operated no more than 21 hours per day and 50 hours per consecutive 12 month period for testing and maintenance. Please note there is no limitation on emergency use.

[District Rule 1303(A): daily operation; 17 CCR 93115.6(a)(3)(A)(1)(c)]

6. This equipment may operate in response to an 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 may be operated no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer imminent or in effect.

[17 CCR 93115.6(a)(2)]

7. 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)(1)(C)]

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; Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines; 40

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. For the purposes of CEI, Facility is defined as every structure, appurtenance, installation, and improvement on land which is associated with a source of air releases or potential air releases of a hazardous material. [District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]