



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

### INACTIVE

E011428

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: NOVEMBER 2020**

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

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

#### **EQUIPMENT LOCATION (Fac.#2589)**

Caltrans Yard - Barstow  
1800 Dill Rd  
Barstow, CA 92311

#### **Description:**

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A certified Tier 3 Diesel engine, EPA Family BPKXL04.4NJ1, manufactured in 2008 with no exhaust after-treatment device installed, stack height 7.2', stack diameter 5", exhaust flow rate of 663 cubic feet per minute at 972 degrees Fahrenheit.

One Caterpillar, Diesel fired internal combustion engine Model No. C4.4 and Serial No. E5M02786, Direct Injected, Turbo Charged, After Cooled, producing 130 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 6.0 gal/hr. This equipment powers a Caterpillar Generator Model No. D80-6 and Serial No. CAT00C44PD4B02204, rated at 80 kW(e).

#### **EMISSIONS RATES**

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 0.975         | gm/bhp-hr |
| NOx           | 2.3588        | gm/bhp-hr |
| PM10          | 0.1275        | gm/bhp-hr |
| SOx           | 0.0046        | gm/bhp-hr |
| VOC           | 0.4163        | gm/bhp-hr |

#### **CONDITIONS:**

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9621

SCC: 20100102

Location/UTM(Km):  
498E/3862N

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**  
**Brad Poiriez**  
Air Pollution Control Officer

1. This certified stationary compression-ignited internal combustion engine 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.

[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)]

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) and 40 CFR 60.4207(b)]

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

4. 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. In addition, this engine shall be operated no more than 50 hours per year for testing and maintenance.

[17 CCR 93115.6(a)(3)(1)(c)]

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 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 calendar year operation in terms of fuel consumption (in gallons) and/or total hours;

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); and,

e. Maintenance performed on this equipment.

[17 CCR 93115.10(f)]

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. 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]