



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

**INACTIVE**

**E014387**

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: JANUARY 2024**

### **OWNER OF OPERATOR (Co.#2767)**

NextEra Energy Resources  
700 Universe Boulevard  
Juno Beach, FL 33408

### **EQUIPMENT LOCATION (Fac.#4191)**

Blythe/Dracker Substation  
4000 Dracker Drive  
Blythe, CA 92225

#### **Description:**

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A Certified Tier 2 diesel engine, USEPA family ACPXL78.1T2X, manufactured in 2011. Exhaust flow approximately 15,137 acfm, at 762 degrees Fahrenheit through a 14 foot high by 1.0 foot diameter exhaust stack. Equipment is located at an elevation of 496 feet above MSL.

One Caterpillar, Diesel fired internal combustion engine Model No. 3516C and Serial No. MHB00524, Direct Injected, Turbo Charged, Smoke Puff Limiter, Charge Air Cooler, Engine/Powertrain Control Module, producing 2722 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 138.9 gal/hr. This equipment powers a Caterpillar Generator Model No. 3516C and Serial No. MHB00524, rated at 2000 KW.

#### **EMISSIONS RATES**

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 1.0440        | gm/bhp-hr |
| NOx           | 3.8254        | gm/bhp-hr |
| PM10          | 0.1119        | gm/bhp-hr |
| SOx           | 0.0049        | gm/bhp-hr |
| VOC           | 0.2013        | gm/bhp-hr |

#### **CONDITIONS:**

1. This certified Tier 2 stationary compression-ignited internal combustion 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

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4911

SCC: 20100102

Location/UTM(Km):  
708E/3726N

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.

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

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.  
[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), 40 CFR 80.510(b), and 40 CFR 60.4207(b)]  
Note: Use of CARB certified ULSD fuel satisfies these requirements.

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 one hour per day and 50 hours per year for testing and maintenance.  
[District Rule 1303 (hour limiting); 17 CCR 93115.6(a)(3)(A)(1)(c)]

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 three (3) 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(s) of each use and hours of operation;
- b. Reason for use (regular testing & maintenance, NFPA testing & maintenance, emergency, etc.);
- c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) and/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); 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. 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. 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]