



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

RENEWAL

E012885

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2025

OWNER OF OPERATOR (Co.#199)

SBCo Fleet Management Department
210 N Lena Road
San Bernardino, CA 92415-0842

EQUIPMENT LOCATION (Fac.#3719)

SBCo Fire Station 304 - Hesperia
15660 Eucalyptus Street
Hesperia, CA 92345

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Year of Manufacture 1996, Year of Install 1997, Tier 0 (uncertified). This engine meets the definition of Existing Institutional Emergency RICE pursuant to 40 CFR 63 Subpart ZZZZ Section 63.6585(f)(3) and operated at an area HAP source therefore it exempt from the requirements of the NESHAP.

One Perkins, Diesel fired internal combustion engine Model No. 3054 and Serial No. 4ZK06496, Turbo Charged, After Cooled, producing 80 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 6.4 gal/hr. This equipment powers a Generac Generator Model No. 96A05507S and Serial No. 2030977, rated at 50 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.24	gm/bhp-hr
NOx	7.12	gm/bhp-hr
PM10	0.21	gm/bhp-hr
SOx	0.05	gm/bhp-hr
VOC	0.47	gm/bhp-hr

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound 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.

[District Rule 204]

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9224

SCC: 20100102

Location/UTM(Km): 470E/3812N

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**
Brad Poiriez
Air Pollution Control Officer

2.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, equal to 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)]

3.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)]

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 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.

[17 CCR 93115, District Rule 1320]

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 five (5) 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 of each use and hours of operation with documentation of how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation, including what classified the operation as non-emergency. [17 CCR 93115.10(f); and,
- b. Monthly and calendar year operation in terms of total hours, both emergency and non-emergency use, classified as described in a. above [17 CCR 93115.10(f)]; and,
- c. Monthly fuel use [17 CCR 93115.10(f)]; and,
- d. Fuel sulfur concentration as required by condition 2 (the owner/operator 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.

6.Engine may operate in response to notification of 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 is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

[17 CCR 93115]

7.This unit 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]

8.The owner/operator shall not operate this stationary emergency standby diesel-fueled IC engine for non-emergency use, including maintenance and testing, between the hours of 7:30 AM and 3:30 PM on days when the school is in session, if located within 500 feet of the outer boundary of a school (K-12).

[17 CCR 93115.6]

9.This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines Title 17 CCR 93115. In the event of conflict between conditions and the referenced regulatory citations, the more stringent requirements shall govern.

[District Rule 204]

10.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]