MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

PERMIT TO OPERATE

E011835

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: DECEMBER 2026

OWNER OF OPERATOR (Co.#199)

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

EQUIPMENT LOCATION (Fac.#1712)

SBCo Fire Station 42 - Yucca Valley
58612 Aberdeen Drive
Yucca Valley, CA 92284

Description:
DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Year of manufacturer 2006, installed 06/2006, USEPA Family Name 6PKXL04.4RE1, Tier 2, stack height 7', stack diameter 2.5".

One Perkins, Diesel fired internal combustion engine Model No. 2480-1800 and Serial No. E4M01596, Direct Injected, producing 72 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 3.9 gal/hr. This equipment powers a Caterpillar/Olympian Generator Model No. D30-6 and Serial No. CAT00C44LNCD00751, rated at 30 kW (e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.675	gm/bhp-hr
NOx	4.4	gm/bhp-hr
PM10	0.128	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.776	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g) | Rating: 1 device | SIC: 9224 | SCC: 20200102 | Location/UTM(Km): 551E/3774N

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.

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

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

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), District Rule 1302]

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) and 40 CFR 60.4209(a)]

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: CA Ultra Low Sulfur Diesel (ULSD) fuel meets the cetane and aromatic content requirement of subparagraph 3.b.

4. The owner/operator (o/o) 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 and cetane index, 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. [40 CFR 60.4214(a)(2)(ii)].
[17 CCR 93115.10(f) and 40 CFR 60.4212(b)]

5. 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 CCR93115.6(a)(2)]

6. 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)]

7. The owner/operator shall not operate a stationary emergency standby diesel-fueled CI DRP
engine for non-emergency use, including maintenance and testing, during the following periods:
a. Whenever there is a school sponsored activity, if the engine is located on school grounds; and
b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session, if the engine is located within 500 feet of school grounds.
[17 CCR 93115.6(a)]

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 this ATCM or NSPS, the more stringent requirements shall govern. [District Rule 1302]

9. 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)]

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