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

RENEWAL

E010411

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#84)

NTC - Public Works
Bldg 602, 5th Street
Fort Irwin, CA 92310

EQUIPMENT LOCATION (Fac.#589)

NTC Training Mission
Bldg. 602, 5th street
Fort Irwin, CA 923105085

Description:
DIESEL IC ENGINE, EMERGENCY GENERATOR (BLDG 156) consisting of: A certified Tier III diesel engine, EPA Family 8JDXL06.8105, manufactured in 2008 with a Johnson-Matthey CRT+ Diesel Particulate Filter System, a Level 3 Plus VDECS certified by Executive Order DE-08-009-06, serial number 0G2538, exhaust after-treatment device installed. Exhaust flow is 805 ACFM at 1076 degrees Fahrenheit:

One John Deere, Diesel fired internal combustion engine Model No. 4045HF285I and Serial No. PE4045L029855, After Cooled, Compression-Ignited, Direct Injected, Diesel Particulate Filter, Electronic Control Module, Smoke Puff Limiter, Turbo Charged, producing 126 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 7.4 gal/hr. This equipment powers a Generac Generator Model No. SD080 and Serial No. 2097124, rated at 80 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.22	gm/bhp-hr
NOx+NMHC	2.54	gm/bhp-hr
PM10	0.03	gm/bhp-hr
SOx	0.005	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g) | Rating: 1 device | SIC: 9711 | SCC: 20100102 | Location/UTM(Km): 529E/3902N

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.

NTC - Public Works
Attn: Air Resources Manager

Fort Irwin, CA 92310

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

1. This 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 contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[17 CCR 93115, District Rule 1302]

2. This engine shall not be operated unless the associated diesel particulate filter is properly functioning. Furthermore, no changes shall be made to any emission control device unless done so by a factory certified technician.
[40 CFR 60.4211, District Rule 1302]

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 80.510(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall not be used to provide power during a voluntarily 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]

5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[17 CCR 93115.10(d)]

6. The associated diesel particulate filter shall be equipped with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.
[17 CCR 93115.10(d)]

7. The engine shall not be operated more than 1,000 hours between diesel particulate filter cleanings.
[CARB Executive Order DE-08-009-06]

8. This unit shall be limited to use for emergency power, 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 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit.
[17 CCR 93115.6(a)(3)(1)(c)]

9. 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 and repair work performed on both the engine and the DPF.
[17 CCR 93115.10(f)]

10. 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 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Stationary Compression Ignition Internal Combustion Engines (NSPS).

[District Regulation X]

11. 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]