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

INACTIVE

E009396

Inactive 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 990) consisting of: Certified Tier 2 Diesel Engine manufactured in 2005. USEPA Family 5DDXL31.8XRR, CARB EO U-R-007-0101-1. Exhaust flow is 4875 acfm at 1094 degrees Fahrenheit;

One Detroit Diesel/MTU, Diesel fired internal combustion engine Model No. R1637M36 and Serial No. 5362003425, Compression-Ignited, Direct Injected, Electronic Control Module, Inter Cooled, Turbo Charged, producing 1495 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 75.4 gal/hr. This equipment powers a Detroit Diesel Generator Model No. 1000DSEB and Serial No. 2084826, rated at 1000 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.12	gm/bhp-hr
NOx+NMHC	4.47	gm/bhp-hr
PM10	0.11	gm/bhp-hr
SOx	0.004	gm/bhp-hr

CONDITIONS:

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

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

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

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 (you 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 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 operated for any non-emergency use, such as maintenance, repair, or testing purposes between the hours of 0730 and 1530 on days when school is in session if the engine is located within 500 feet of the outer boundary of any K-12 school grounds.
[17 CCR 93115.6(a)(1)(b)]

8. This equipment 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(c)(1)(C)]

9. 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).
[District Regulation X]

10. This facility shall emit less than the following on a calendar year basis to remain below the USEPA's 80 percent Synthetic Minor (SM-80) Limit;
Oxides of Nitrogen (NOx) - 20 tons,
Volatile Organic Compound (VOC) - 20 tons,
Particulate Matter less than 10 microns (PM10) - 12 tons, and
Hazardous Air Pollutants (HAP) - 8 tons per year for any single HAP and 20 tons per year for any combination of HAPs.
[District Rules 1302 and 1303]

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]