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

INACTIVE

B014846

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2024

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, PORTABLE GENERATOR consisting of: A certified Tier 3 diesel engine, EPA Family 8CEXL0275AAG, manufactured in 2008, equipped with factory installed emission control devices. Exhaust flow is approximately 665 ACFM at 778 degrees Fahrenheit through a 13 foot high by 4 inch diameter stack:

One Cummins, Diesel fired internal combustion engine Model No. QSB5-G3 NR3 and Serial No. 21838255, Charge Air Cooler, Compression-Ignited, Direct Injected, Electronic Control Module, Turbo Charged, producing 145 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 7.6 gal/hr. This equipment powers a Cummins Power Generation Generator Model No. DSFAD-7075444 and Serial No. C080168824, rated at 60 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.67	gm/bhp-hr
NOx	2.69	gm/bhp-hr
NOx+NMHC	2.80	gm/bhp-hr
PM10	0.097	gm/bhp-hr
PM2.5	0.097	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.14	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (b) | Rating: 145 bhp | 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 certified Tier 3 compression-ignited internal combustion engine and the associated emission control systems 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.
[District Rule 1302(C)(2)(a)]

2. This engine shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.
[Title 17 CCR 93116.3(a)]

3. This engine and its associated equipment cannot be operated at the same location for more than 365 consecutive days. This equipment must be moved for a valid business purpose annually.
[District Rules 1302, 1303, and 1320 and Title 17 CCR 93116.2(a)(29)]

4. This engine shall not be operated for more than 2,000 hours in any consecutive twelve month period. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Regulation XIII - NSR]

5. This diesel engine and its associated equipment are authorized to operate as a temporary redundancy for the engines permitted under MDAQMD Permit nos. B012443 and M012444. This engine cannot be used as a redundancy for these engines after September 18, 2024. Removal of either/both of these stationary Emission Units shall not change this end of use date.
[Title 17 CCR 93116.2(a)(29)]

6. This engine shall not be operated unless all of the following emission control systems are properly functioning:
a. Electronic Control Module;
b. Charge Air Cooler; and
c. Turbocharger.

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[District Rule 1302]

7. The owner/operator shall maintain an operations log for this unit, 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 Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date, location (decimal degrees, xx.xxxxx;-yyy.yyyyy), and duration of each use (in hours);
b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
c. Date of each maintenance action or repair on any equipment noted in Condition #6;
d. Description of each maintenance action or repair on any equipment noted in Condition #6; and
e. Fuel sulfur concentration as required by condition #2 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).
[District Regulation XIII - NSR]

8. This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
[District Rule 1302 and Title 17 CCR 93116]

9. This USEPA Tier 3 certified engine may not be sold, or offered for sale, to an end user in California on or after January 1, 2027. The sale of engines for resale outside of California is not prohibited.
[Title 17 CCR 93116.3(e)]

10. This engine shall not operate within:
a. 305 meters (1,000 feet) of any K-12 school, residence, hospital, or other sensitive receptor location. Sensitive receptor locations include, but are not limited to, hospitals, schools, and day care centers, and such other locations as the District board or California Air Resources Board may determine; and,
b. 2,000 meters (6,562 feet) of a residential receptor.
[District Rules 1320, 1520, and H&S Code 42705.5(a)(5)]

11. If this engine is operated as a part of a large fleet, defined as total maximum horsepower of greater than 750 for all portable engines under common ownership and control by a person, business, or government agency that are operated in California and meet the applicability listed in 17 Cal. Code Regs., section 93116.1, this USEPA Tier 3 certified engine may not be operated in California on or after January 1, 2025 unless the engine meets one of the following:
a. The engine has been designated as low-use, in accordance with Title 13 CCR 2453(p); or
b. The engine has been designated as emergency, in accordance with Title 13 CCR 2453(p); or
c. The engine has been equipped with a properly functioning level-3 verified technology.
[Title 17 CCR 93116.3(c)(1)(A)]

In order to designate these engines as low-use or emergency, the owner/operator must submit an application to the District to modify this permit, in addition to submitting a modification to CARB via PERP Form 20 (Application for a Correction or Modification to an Existing Registration) according to the provisions of Title 13 CCR 2453(p).

"Level-3 Verified Technology" means a technology that has satisfied the requirements of the "Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines" in title 13, Cal. Code Regs., commencing with section 2700, and has demonstrated a reduction in diesel particulate matter of 85 percent or greater. In order to install a level-3 technology, the owner/operator must submit an application to the District to modify this permit.

12. This engine is operated as part of a large fleet, and as such, may not operate in California after January 1, 2025.
[Title 17 CCR 93116.3(c)(1)(A)]

13. This entire facility (MDAQMD Facility no. 589 - NTC - Dir. of Public Works, Mission Related) shall not emit any regulated air pollutant or any pollutant listed under section 112(b) of the Clean Air Act listed below in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

a. Oxides of Nitrogen (NOx): 20 tons per consecutive twelve (12) month period, measured as NO2;
b. Oxides of Sulfur (SOx): 20 tons per consecutive twelve (12) month period;
c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve (12) month period;
d. Carbon Monoxide (CO): 80 tons per consecutive twelve (12) month period;
e. Hydrogen Sulfide (H2S): 8 tons per consecutive twelve (12) month period;
f. Lead (Pb): 0.48 tons per consecutive twelve (12) month period; and,
g. Particulate Matter 10 microns and less (PM10): 12.0 tons per consecutive twelve (12) month period;
h. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
i. All HAPs combined: 20 tons per consecutive twelve (12) month period.

For the purposes of implementation of the Title I (Part D) Nonattainment New Source Review (nonattainment NSR), Title I (Part C) Prevention of Significant Deterioration (PSD), and Title V Operating Permit Programs under the Clean Air Act, Facility refers to a stationary source, or group of stationary sources that are located on one or more contiguous or adjacent properties that are owned, operated, supervised, or controlled by one or more Department of Defense (DoD) component(s) that were disaggregated during the course of major source determination(s), based upon appropriate industrial groupings and support facility relationships. Compliance with these limits shall be demonstrated through the submission of an installation-wide Comprehensive Emission Inventory (CEI) for all emitted regulated air pollutants or any pollutant listed under section 112(b) of the Clean Air Act (including 12 month emissions summary). Exceedance of these emission limits may trigger offsets, BACT, and/or require submission of a Title V permit application.
[District Rules 1302 and 1303, 40 CFR 51.165, 40 CFR 52.21(b), 40 CFR 70.2 and "Major Source Determinations for Military Installations under the Air Toxics, New Source Review, and Title V Operating Permit Programs of the Clean Air Act," memorandum from John S. Seitz, Director, Office of Air Quality Planning and Standards, (Aug. 2, 1996)]

14. This entire facility (MDAQMD Facility no. 589 - NTC - Dir. of Public Works, Mission Related) shall not emit any Hazardous Air Pollutants (HAP) listed in or pursuant to Section 112(b) of the Clean Air Act in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

a. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
b. All HAPs combined: 20 tons per consecutive twelve (12) month period.

For the purposes of determining the applicability of Section 112 air toxics requirements under the Clean Air Act, Facility refers to a stationary source, or group of stationary sources that are located within a contiguous area and under common control. Compliance with these limits shall be demonstrated through the submission of an installation-wide Comprehensive Emission Inventory (CEI) for all emitted pollutants listed under section 112 (b) (including 12 month emissions summary). Exceedance of these emission limits may trigger National Emission Standards for Hazardous Air Pollutants (NESHAP) or Maximum Achievable Control Technology (MACT) standards.
[40 CFR 63.2]

15. A Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants located at this military installation (including, but not limited to, MDAQMD Facility nos. 589, 2806, 3023, 3280, 3534, and 3903) must be submitted to the District, in a format approved by the District, upon District request. For the purposes of CEI, Facility is defined as every structure, appurtenance, installation, and improvement on land which is associated with a source of air releases or potential air releases of a hazardous material.
[District Rule 107(b), H&S Code 39607, 44304 and 44341-44342]