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

INACTIVE

B009097

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2018

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, GENERATOR (PIONEER MOUNTAIN) consisting of: Year of Manufacture - 2003. Exhaust is vented through a Level 3 VDECS Diesel Particulate Filter (DPF) manufactured by Johnson Matthey, type 'CTR', Model No. UNK, Serial No UNK per ARB Executive Order DE-05-011

One Cummins, Diesel fired internal combustion engine Model No. B3.3-G1 and Serial No. 68016275, After Cooled, Compression-Ignited, Direct Injected, Diesel Particulate Filter, producing 51 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 3.0 gal/hr. This equipment powers a Cummins Generator Model No. DGGD and Serial No. K03056921, rated at 38 kw.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
NOx	6.1	gm/bhp-hr
SOx	0.02	gm/bhp-hr

CONDITIONS:

1. This unit shall not be operated for more than 4000 hours per calendar year.
[Rule 1302(C)(2)(a)]

Fee Schedule: 1 (b) | Rating: 51 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

2. This facility shall emit less than the following on a calendar year basis;
Oxides of Nitrogen (NOx) - 25 tons,
Volatile Organic Compound (VOC) - 25 tons,
Particulate Matter less than 10 microns (PM10) - 15 tons, and
Hazardous Air Pollutants (HAP) - 10 tons per year for any single HAP and 25 tons per year for any combination of HAPs.
Compliance shall be demonstrated annually to the District through the submission of a District approved Comprehensive Emission Inventory Report (CEIR) or other District approved equivalent method. The report shall be submitted to the District upon request. [Rule 204]

3. The exhaust from this engine shall be vented through a Diesel Particulate Filter (DPF) manufactured by Johnson Matthey, type 'CTR', Model No. UNK, Serial No UNK per ARB Executive Order DE-05-011. This unit must be operated per the condition in Table 1 of the Executive Order, which are as follows:
a. The exhaust gas temperature must be above 240 deg C for 40% of the duty cycle,
b. Engine shall not be idled for more than 720 consecutive minutes,
c. The DPF must be regenerated after 24 cold starts with 30 minutes of idle time per session,
d. Maximum operating hours before cleaning is 5,000 hours.
[Rule 204; Title 17 CCR 93115(e)(2)(D)]

4. This unit currently meets the emission reduction requirements of Title 17 CCR 93115 as the DPF is certified for at least 85% reduction by EO DE-05-011.
[Title 17 CCR 93115.7(b)]

5. This diesel engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or in a manner consistent with safety and good air pollution control practices for minimizing emissions. 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 63.6625(e) and 63.6605 (b)]

6. This unit 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.
[17 CCR 93115.5(a)]

7. 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)]

8. The owner/operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply.
[40 CFR 63.6625(h)]

9. 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. Monthly and calendar year operation in terms of total hours [17 CCR 93115.10(e)]; and,
b. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
c. Maintenance performed on this equipment, inclusive of the management practice requirements of condition 7 below [40 CFR 63.6655(a)(4)] ; and,
d. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment [40 CFR 63.6655(a)(2)]; and,
e. Records of actions taken during periods of malfunction to minimize emissions in accordance with condition 5, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation [40 CFR 63.6655(a)(5)].

10. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request. [Rule 204]

11. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following maintenance requirements:
a. Change oil and oil filter every 1,000 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and,
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
[40 CFR 63.6603(a) and 63.6640(a)]