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

INACTIVE

M011448

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2017

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, BACKUP GENERATOR (C-2 FACILITY GENSET #2) consisting of: A certified Tier III diesel engine, EPA Family ACEXL0275AAG, manufactured in 2010 with a Level 3 Plus aftermarket Diesel Particulate Filter manufactured by Johnson Matthey, model CRT+ and certified by ARB Executive Order DE-08-009-06 installed. Exhaust flow is 727 CFM at 828 degrees Fahrenheit and the stack height is 9.5 feet:

One Cummins, Diesel fired internal combustion engine Model No. QSB5-G3 and Serial No. 73392233, After Cooled, Compression-Ignited, Direct Injected, Diesel Particulate Filter, Electronic Control Module, Turbo Charged, producing 126 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 6.9 gal/hr. This equipment powers a Cummins Generator Model No. DSFAD and Serial No. E120334864, rated at 60 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.54	gm/bhp-hr
NOx+NMHC	2.83	gm/bhp-hr
PM10	0.015	gm/bhp-hr
SOx	0.005	gm/bhp-hr

CONDITIONS:

Fee Schedule: 10 (1b) Rating: 126 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 stationary compression-ignited internal combustion engine and its 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.
[40 CFR 60.4211(a)]

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, MDAQMD 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:
1. A minimum cetane index of 40; or,
2. A maximum aromatic content of 35 volume percent.
[17 CCR 93115.5(a) and 40 CFR 60.4207(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. 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)]

5. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed upon engine installation.
[17 CCR 93115.10(d)]

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

7. 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 maintenance action or repair;
b. Description of each maintenance action or repair;
c. 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,
d. Results of any source testing conducted on the engine.
[17 CCR 93115.10(f), MDAQMD Rule 1302]

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

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

10. This engine shall not be operated simultaneously with the engine described in District Permit B011447 except for a maximum of 30 minutes while switching from one generator to the other.
[District Rules 204 and 301]