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

INACTIVE

B013669

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2022

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 (ATMP - V15E Front) consisting of: A certified Tier 4i diesel engine, EPA Family EJDXL04.5211, manufactured in 2014, equipped with factory installed emission control devices. Exhaust flow is approximately 399 ACFM at 835 degrees Fahrenheit through a 13 foot high by 3 inch diameter stack:

One John Deere, Diesel fired internal combustion engine Model No. 4045HFG92 and Serial No. PE4045R096877, Charge Air Cooler, Compression-Ignited, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Oxidation Catalyst, Periodic Trap Oxidizer, Smoke Puff Limiter, Turbo Charged, producing 107 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 4.3 gal/hr. This equipment powers a MQ Power Generator Model No. DCA70SSJU4i and Serial No. 7307110, rated at 56 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.08	gm/bhp-hr
NOx	1.95	gm/bhp-hr
PM10	0.0008	gm/bhp-hr
PM2.5	0.0008	gm/bhp-hr
SOx	0.004	gm/bhp-hr
VOC	0.008	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (b) | Rating: 107 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 it's 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 all of the following emission control systems are properly functioning:
a. Diesel Oxidation Catalyst
b. Electronic Control Module
c. Exhaust Gas Recirculation System
d. Periodic Trap Oxidizer
e. Smoke Puff Limiter
Furthermore, no changes shall be made to any of the above systems 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:
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 80.510(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

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

5. This engine shall not operate for more than 3,000 hours in any consecutive twelve month period.
[District Rules 1302 and 1320]

6. 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 on any equipment noted in Condition #2;
b. Description of each maintenance action or repair on any equipment noted in Condition #2;
c. 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);
d. Monthly and consecutive twelve month period operating hours as determined by the installed hour meter; and
e. Results of any source testing conducted on the engine.
[District Rules 1302 and 1160]

7. 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]

8. This engine may be relocated throughout the NTC in support of operations without prior notification being sent to the District, but shall not be used within 500 meters of any K-12 school, residence, hospital, or other sensitive receptor.
[District Rule 204]

9. 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]