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

INACTIVE

E013043

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, EMERGENCY FIRE PUMP (BLDG 7602) consisting of: A Certified Tier III Clarke model JU4H-UFAEE8 / John Deere model 4045TF290E diesel engine with no exhaust after-treatment devices installed. Exhaust flow is 287 acfm at 753 degrees Fahrenheit through an 11.1 foot tall by 4 inch diameter vertical stack:

One Clarke/John Deere, Diesel fired internal combustion engine Model No. JU4H-UFAEE8/TF290E and Serial No. TBD, After Cooled, Compression-Ignited, Direct Injected, Electronic Control Module, Turbo Charged, producing 64 bhp with 4 cylinders at 1760 rpm while consuming a maximum of 3.3 gal/hr. This equipment powers a Peerless Pump Model No. 6AEF14 and Serial No. TBD, rated at 1000 gpm.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.0	gm/bhp-hr
NOx	4.25	gm/bhp-hr
PM10	0.210	gm/bhp-hr
PM2.5	0.210	gm/bhp-hr
SOx	0.012	gm/bhp-hr
VOC	0.24	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g) | Rating: 64 device | SIC: 9711 | SCC: 20200102 | 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 equipment 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 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; District Rule 204]

2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 60.4209; Title 17 CCR 93115.10(d)]

3. This engine 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(c)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per rolling consecutive twelve month period for testing and maintenance, unless NFPA-25 (current edition) authorizes additional time: If the 50 hour limit is exceeded due to NFPA requirements, the owner/operator is to have the authorizing section of NFPA 25 available for review at all times. Time required for source testing will not be counted toward the 50 hour rolling annual limit.
[17 CCR 93115.6(b), District Rule 204]

5. The owner/operator shall maintain an operations log for this unit 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 information specified below:
a. Date of each use and duration of each use (in hours per hour meter);
b. Reason for use (testing & maintenance, emergency, required emission testing);
c. Rolling consecutive twelve month period operation in terms of fuel consumption (in gallons) or total hours;
d. Records of all maintenance and inspections; and,
e. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).
[40 CFR 70.6(a)(3)(ii)(b), 40 CFR 60.4214, 17 CCR 93115.10(f), District Rule 204]

6. 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.
[District Rule 204]

7. 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]