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

INACTIVE

B010099

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2019

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 (STORED AT BLDG 621) consisting of: Year of Manufacture 2006; Tier II Engine; CARB EO U-R-028-310; Engine Family: 6YDXL3.32J4T

One Yanmar, Diesel fired internal combustion engine Model No. 4TNV98T-GGE and Serial No. 36059, Direct Injected, Electronic Control Module, Turbo Charged, producing 68.2 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 3.4 gal/hr. This equipment powers a Yanmar Generator Model No. GGEH and Serial No. TBD, rated at 35 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.12	gm/bhp-hr
NOx+NMHC	4.25	gm/bhp-hr
PM10	0.14	gm/bhp-hr
PM2.5	0.14	gm/bhp-hr
SOx	0.005	gm/bhp-hr

CONDITIONS:

1. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 17 CCR 93116.4(c)(2)(A)].

Fee Schedule: 1 (b) | Rating: 68 bhp | SIC: 9711 | SCC: 20300101 | 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 unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.

3. This equipment shall be installed, operated and maintained in strict accord 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.

4. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 17 CCR 93116.2(bb)]

5. 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) a weight per weight basis per CARB Diesel or equivalent requirements.

6. The owner/operator (o/o) shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of five (5) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, 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);
b. Reason for use (regular use, testing & maintenance, emergency, required emission testing);
c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

7. The fleet* under control of the o/o is subject to and shall comply with the weighted Diesel Particulate Matter (DPM) emission fleet averages ** expressed as grams per brake horsepower-hour (g/bhp-hr) of Title 17 CCR Section 93116.3(c) & (d) by the following dates:

Compliance Date Weight DPM (g/bhp-hr)
January 1, 2017: 0.18
January 1, 2020: 0.04

* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable units(s).
* * The method used to calculate the Fleet Average is found in Title 17 CCR 93116.3(d).

8. The o/o of this unit must submit a 'Statement of Compliance' signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information; see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the folloiwng compliance statement submittal dates:

Weighted DPM Emission Fleet Average Date Report Due Date
January 1, 2017 March 1, 2017
January 1, 2020 March 1, 2020

9. The o/o of fleets that are exempted from the requirements of section 93116.4 pursuant to section 93116.4 (a), the Responsible Official shall certify that all portable diesel-fueled engines in the fleet satisfy the requirements of section 93116.4(a). See Title 17 CCR 93116.4(f) for details.

10. This portable equipment shall not be operated and/or located within 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 30 consecutive days without completing the notification required by Health and Safety Code Section 42301.6.

11. This engine shall be limited to 2600 hours/year total operating time without prior District approval.

12. 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 every calendar year upon request.

13. The engine powering this device is a Certified Tier II Engine, and meets the requirements of the Portable Diesel ATCM 93116. In the event of conflict between these permit conditions and the Portable Diesel ATCM, the more stringent requirements shall govern.

14. 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]