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

INACTIVE

B005357

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.#3280)

NTC Public Works and Building Maintenance
AFZJ-PW-EV, Bldg 602
Fort Irwin, CA 92310

Description:
DIESEL IC ENGINE, PORTABLE PRIME GENERATOR consisting of: A certified Tier 1 Compression-Ignition (Diesel) Prime Use Engine, EPA Family WCPXL14.6MRJ with a Huss Model MK-600 Diesel Particulate Filter, s/n MK02606, Certified by ARB Executive Order DE-06-007-08, exhaust after-treatment system installed.

One Caterpillar, Diesel fired internal combustion engine Model No. 3406 and Serial No. 1LS00674, After Cooled, Direct Injected, Diesel Particulate Filter, Turbo Charged, producing 519 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 25.5 gal/hr. This equipment powers a Caterpillar Generator Model No. SR4B and Serial No. 8ER02250, rated at 400 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.7	gm/bhp-hr
NOx	6.6	gm/bhp-hr
PM10	0.45	gm/bhp-hr
SOx	0.05	gm/bhp-hr
VOC	0.1	gm/bhp-hr

CONDITIONS:

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

Fee Schedule: 1 (c) | Rating: 519 bhp | SIC: 7349 | SCC: 20100102 | Location/UTM(Km): 511E/3861N

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

noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application(s) for this permit.
[District Rule 1302]

2. . 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 for a valid operational reason within this facility or moved to another facility annually.)
[Title 17 CCR 93116.2(bb)]

3. 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) per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.
[Title 17 CCR 93116.3(a)]

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 93116.4(c)(2)(A)]

5. This unit shall not be used for more than 600 hours in any 12 month rolling period. Exceeding this limit will require the installation of a catalytic NOx reduction system.
[District Rule 1302]

6. This engine shall not be operated without its associated Diesel Particulate Filter (DPF) properly functioning. Furthermore, the DPF shall be cleaned in accordance with the manufacturer s procedures when the pressure differential across the DPF exceeds two (2) inches of water column.
[District Rule 1302]

7. The o/o shall maintain an operations log for this unit 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 Federal personnel upon request. The log shall include, at a minimum, the information specified below:
@ Date of each use and duration of each use (in hours);
@ Reason for use (Regular use, testing & maintenance, emergency, required emission testing);
@ Calendar quarterly Pressure Differential readings across the DPF (Backpressure readings);
@ Maintenance actions performed on the engine or associated DPF;
@ Monthly and rolling 12 month period operation in terms of total hours; and,
@ Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
Note: The quarterly Pressure Differential readings across the DPF need not be taken if the unit is not operated during the entire calendar quarter.
[Title 17 CCR 93116.4(c), District Rules 204 and 1302]

8. The fleet* under control of this 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 // Weighted DPM (g/bhp-hr)
January 1, 2013 // 0.15
January 1, 2017 // 0.08
January 1, 2020 // 0.02
===
* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).
** The method used to calculate the Fleet Average is found in Title 13 CCR 93116.3(d).
[17 CCR 93116.3]

9. The o/o of a fleet must submit a Statement of Compliance signed by the Responsible Official that the fleet standards are being achieved and shall include a summary that identifies each portable engine in the fleet, its associated emission rate (expressed in g/bhp-hr), and all other information required by Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7). These Statements of Compliance shall be submitted by the following dates:

// Weighted DPM Emission Fleet Average Date // Submit by Date
January 1, 2013 // March 1, 2013
January 1, 2017 // March 1, 2017
January 1, 2020 // March 1, 2020
===
[17 CCR 93116.4]

10. The o/o of fleets that are exempted from the reporting 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.
[17 CCR 93116.4]

11. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
[District Rule 1302]

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 no later than April 30 of each year.

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