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

INACTIVE

E010608

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.#3280)

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

Description:
DIESEL IC ENGINE, PORTABLE EMERGENCY GENERATOR (367-G590) consisting of: Tier III PM level .13 g/bhp*hr, Engine Family 8PKXL06.6PJ1, Perkins C6.6, Model Year 2008, diesel fueled generator 4 cylinder, after cooled, direct injected, turbo charged, 217 bhp @ 1800 RPM, Serial Number E6M01456

One Perkins, Diesel fired internal combustion engine Model No. C6.6 ACERT and Serial No. E6M01456, After Cooled, Direct Injected, Turbo Charged, producing 217 bhp with 4 cylinders at rpm while consuming a maximum of 6.0 gal/hr. This equipment powers a Perkins Generator Model No. D125-6 and Serial No. CAT00C66AN6D01183, rated at 125 kw.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.34	gm/bhp-hr
NOx	2.69	gm/bhp-hr
PM10	0.127	gm/bhp-hr
SOx	0.003	gm/bhp-hr
VOC	1.12	gm/bhp-hr

CONDITIONS:

1. 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

Fee Schedule: 7 (g) | Rating: 1 device | 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

shall also be operated in accordance with all data and specifications submitted with the application for this permit.

2. 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) on a weight per weight basis per CARB Diesel or equivalent requirements.

3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

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 13 CCR 93116.2(bb)]

5. This unit shall be limited to use for emergency power, 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 year for testing and maintenance, excluding compliance source testing.

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 two (2) 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 (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 o/o of this unit must submit a Status Report for the entire fleet* by March 1, 2011. This Status Report should include, but not limited to, the following, for details see Title 13 CCR 93116.4(e)(1):
a. The fleet's weighted average PM emission rate for the 2010 calendar year,
b. Inventory of portable engines in the fleet,
c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,
e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),

*Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

8. That this emergency portable diesel-fueled engine will be replaced or modified by January 1, 2020 satisfy one of the following requirements:
1. The portable diesel-fueled engine is certified to Tier 4 emission standards for newly manufactured nonroad engines; or
2. The portable diesel-fueled engine is equipped with a properly functioning level-3 verified technology; or
3. The portable diesel-fueled engine is equipped with a combination of verified emission control strategies that have been verified together to achieve at least 85% reduction in Diesel Particulate Matter (DPM) emissions.

9. 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: 0.30
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 unit(s).

** The method used to calculate the Fleet Average is found in Title 13 CCR 93116.3(d).

10. 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 13 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates: Weighted DPM Emission Fleet Average Date Submit by January 1, 2013 March 1, 2013 January 1, 2017 March 1, 2017 January 1, 2020

11. 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 13 CCR 93116.4(f) for details.

12. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title17 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.

13. 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.