



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

B010295

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2011

OWNER OF OPERATOR (Co.#46)

Victorville, City of
14343 Civic Drive
Victorville, CA 92392-2399

EQUIPMENT LOCATION (Fac.#3069)

Victorville SCLA Central Treatment Facility
So 1/2 Sec 14, T6N R5W
Victorville, CA 92392

Description:

NATURAL GAS IC ENGINE, PRIME GENERATOR consisting of: Yr of Mfg tbd, served by SCR emission control unit, permit # C010392

One Caterpillar, NG fired internal combustion engine Model No. G3516B-LE and Serial No. TBD, Turbo Charged, producing 1818 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 10.0 scf/hr. This equipment powers a Generator Model No. and Serial No. , rated at .

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.6	gm/bhp-hr
NOx	0.15	gm/bhp-hr
PM10	0.0276	gm/bhp-hr
VOC	0.15	gm/bhp-hr

CONDITIONS:

1. The owner/operator (o/o) shall operate this equipment in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

2. The owner/operator (o/o) shall operate this equipment in strict accord with the recommendations of the manufacturer or supplier and/or sound engineering principles and consistent with all information submitted with the application for this permit, which produce the

Fee Schedule: 1 (d)

Rating: 1818 bhp

SIC: 4952

SCC: 20100202

Location/UTM(Km):
466E/3830N

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.

Victorville, City of
Public Works - Fleet Division

Victorville, CA 92392-2399

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

minimum emission of air contaminants.

3. This equipment shall not be operated without venting through the properly operating selective catalytic reduction system with valid District Permit C010392 (this requirement shall not apply during a catalyst break-in period not to exceed thirty days beginning with the first firing of fuel in this unit).

4. Emissions from this equipment to the atmosphere shall not exceed the following emission limits:

a. Hourly rates, verified by compliance tests (initial compliance test in the case of PM10 and formaldehyde):

- i. NOx as NO₂ - 0.6 lb/hr and 0.15 gram/bhp-hr (averaged over one hour)
- ii. VOC as CH₄ - 0.6 lb/hr and 0.15 gram/bhp-hr
- iii. CO - 2.4 lb/hr and 0.6 gram/bhp-hr
- iv. PM10 - 0.0276 lb/hr (front and back half)
- v. Ammonia Slip - 5 ppmvd (corrected to 15% oxygen and averaged over three hours)
- vi. Formaldehyde - 0.1 lb/hr

b. Annual rates, based on a rolling 12 month summary, verified by fuel use and compliance tests:

- i. NOx - 5256 pounds/year
- ii. VOC - 5256 pounds/year
- iii. PM10 - 242 pounds/year (front and back half)
- iv. CO - 21024 pounds/year

5. Fuel consumption shall be monitored using a monitoring system. The operator shall install, calibrate, maintain and operate this monitoring system according to a District-approved monitoring plan, and it shall be installed prior to initial equipment startup.

6. The o/o shall perform the following compliance tests each year beginning in 2009 in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit.

The following compliance tests are required:

- a. NOx as NO₂ in gm/bhp-hr and lb/hr (measured per USEPA Reference Methods 19 and 20)
- b. VOC as CH₄ in gm/bhp-hr and lb/hr (measured per USEPA Reference Methods 25A or 18)
- c. CO in gm/bhp-hr and lb/hr (measured per USEPA Reference Method 10)
- d. Flue gas flow rate in dscfm
- e. Ammonia slip in ppmvd at 15% oxygen

7. An initial annual compliance test shall be performed within 60 days after achieving maximum power output, but not later than 180 days after initial firing of fuel in this unit. This test shall demonstrate that this equipment is capable of operation at maximum output in compliance with the emission limits in Condition 4 above, and shall include the tests required by Condition 6 above and the following additional tests:

- a. PM10 in lb/hr (measured per USEPA Reference Methods 5 and 202 or CARB Method 5)
- b. Formaldehyde in lb/hr (using an FTIR analyzer, CARB Method 430 or other District-approved method)

8. The o/o shall maintain a log for this equipment which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, state or federal personnel on request:

- a. Fuel consumption of both utility natural gas and waste water treatment plant waste gas burned in standard cubic feet per calendar month;
- b. Hourly catalyst performance data (inlet temperature and differential pressure across catalyst); and,
- c. Date and summary of any emissions corrective maintenance.

9. The primary fuel shall be a combination of utility natural gas and Waste Water Treatment Plant process gas. Emergency backup fuel is bio-diesel which may only be used during utility natural gas supply curtailment.