



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B008635

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: MARCH 2008

OWNER OF OPERATOR (Co.#46)

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

EQUIPMENT LOCATION (Fac.#2562)

Victorville - Aspen Distribution
17486 Nisqualli Road
Victorville, CA 92392

Description:

NATURAL GAS IC ENGINE, COGENERATION consisting of:

One Deutz, NG fired internal combustion engine Model No. TBG 620 V12k and Serial No. 2201919, Turbo Charged, After Cooled, producing 1408 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 9.0 scf/hr. This equipment powers a Generator Model No. and Serial No. , rated at 1019 kW(e).

CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles.
3. This equipment shall not be operated without venting through the properly operating selective catalytic reduction system with valid District Permit C008634 (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 - 0.466 lb/hr and 0.15 gram/bhp-hr (averaged over one hour)

Fee Schedule: 1 (d)

Rating: 1408 bhp

SIC: 9199

SCC: 20200204

Location/UTM(Km):
473E/3820N

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.

<p>Victorville, City of Public Works - Fleet Division</p> <p>Victorville, CA 92392-2399</p>

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

- ii. VOC as CH4 - 0.466 lb/hr and 0.15 gram/bhp-hr
 - iii. CO - 1.862 lb/hr and 0.6 gram/bhp-hr
 - iv. PM10 - 0.15 lb/hr (front and back half)
 - v. Ammonia Slip - 15 ppmvd (corrected to 15% oxygen and averaged over three hours)
 - vi. Formaldehyde - 0.049 lb/hr
- b. Annual rates, based on a rolling 12 month summary, verified by fuel use and compliance tests:
- i. NOx - 4079 pounds/year
 - ii. VOC - 4079 pounds/year
 - iii. PM10 - 1314 pounds/year (front and back half)
 - iv. CO - 16315 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 2004 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. 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 personnel on request:

- a. Fuel consumption in standard cubic feet per calendar month.
- b. Hourly catalyst performance data (inlet temperature and differential pressure across catalyst).

8. 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)