



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B008955

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2009

OWNER OF OPERATOR (Co.#46)

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

EQUIPMENT LOCATION (Fac.#2666)

Victorville - SCLA Power Plant #1
17951 Phantom West
Victorville, CA 92394

Description:

IC ENGINE, GENERATOR consisting of:

One Cummins, NG fired internal combustion engine Model No. QSK 19G and Serial No. C04K406040, After Cooled, Turbo Charged, producing 469 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 3.0 scf/hr. This equipment powers a Cummins Generator Model No. 334 GFBA and Serial No. tbd, rated at 334 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.6	gm/bhp-hr
NOx	0.15	gm/bhp-hr
PM10	0.002	lbs/MMBtu
SOx	0.0006	lbs/MMBtu
VOC	0.15	gm/bhp-hr

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.

Fee Schedule: 1 (c) Rating: 469 bhp SIC: 4911 SCC: 20200202 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.

Victorville, City of
Public Works - Fleet Division

Victorville, CA 92392-2399

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

3.This equipment shall not be operated without venting through the properly operating selective catalytic reduction system with valid District Permit C008959 (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 - 0.155 lb/hr and 0.15 gram/bhp-hr (averaged over one hour)
- ii. VOC as CH4 - 0.155 lb/hr and 0.15 gram/bhp-hr
- iii. CO - 0.62 lb/hr and 0.6 gram/bhp-hr
- iv. PM10 - 0.007 lb/hr (front and back half)
- v. Ammonia Slip - 5 ppmvd (corrected to 15% oxygen and averaged over three hours)
- vi. Formaldehyde - 0.070 lb/hr

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

- i. NOx - 1359 pounds/year
- ii. VOC - 1359 pounds/year
- iii. PM10 - 58 pounds/year (front and back half)
- iv. CO - 5434 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 2005 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, 7E)
- b. VOC as CH4 in gm/bhp-hr and lb/hr (measured per USEPA Reference Methods 18 and 19)
- c. CO in gm/bhp-hr and lb/hr (measured per USEPA Reference Methods 10 and 19)
- d. Flue gas flow rate in dscfm (measured per USEPA Reference Method 19)
- e. Ammonia slip in ppmvd at 15% oxygen (measured per SCAQMD Reference Method 207.1 or the equivalent)

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 1A, 5 and 202 or the equivalent)
- b. Formaldehyde in lb/hr (using an FTIR analyzer, CARB Method 430 or other District-approved method)

9.This equipment shall not be operated after October 4, 2009.