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

INACTIVE

B010320

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: APRIL 2009

OWNER OF OPERATOR (Co.#46)

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

EQUIPMENT LOCATION (Fac.#2948)

Victorville 2 Hybrid Power Project
Perimeter Road
Victorville, CA 92392

Description:
HEATER, HEAT TRANSFER FLUID consisting of: One natural gas fired limited use heat transfer fluid heater equipped with low NOx/CO burners (nominal 9/50 ppm), maximum heat input of 40 MMBtu/hr, ensuring the HTF circulation system remains above a minimum system temperature of approximately 54 degrees Fahrenheit during off-line periods. Manufacturer, serial number and model number will be specified when known.

EQUIPMENT

Capacity	Equipment Description
40	Heater, limited use (max heat input 40 MMBtu/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 exclusively fueled with natural gas and shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.

Fee Schedule: 2 (e) | Rating: 40000000 Btu | SIC: 4911 | SCC: 10100601 | Location/UTM(Km): 467E/3828N

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
Executive Director

3. Emissions from this equipment shall not exceed the following hourly emission limits at any firing rate, verified by fuel use and annual compliance tests:
a. NOx as NO2 - 0.44 lb/hr (based on 9.0 ppmvd corrected to 3% oxygen and averaged over one hour)
b. CO - 1.48 lb/hr (based on 50 ppmvd corected to 3% oxygen and averaged over one hour)
c. VOC as methane - 0.22 lb/hr
d. SOx as SO2 - 0.02 lb/hr (based on 0.2 grains/100 dscf fuel sulfur)
e. PM10 - 0.30 lb/hr (front and back half)

4. This equipment shall not be operated for more than 1000 hours per rolling twelve month period.

5. The owner/operator (o/o) shall maintain an operations log for this equipment on-site and current for a minimum of five (5) years, and said log shall be provided to District personnel on request. The operations log shall include the following information at a minimum:
a. Total operation time (hours per month, by month);
b. Maximum hourly, maximum daily, total quarterly, and total calendar year emissions of NOx, CO, PM10, VOC and SOx (including calculation protocol); and,
c. Any permanent changed made to the equipment that would affect air pollutant emisisons, and indicate when changes were made.

6. The o/o shall perform the following annual compliance tests on this equipment 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 ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Mehtods 19 and 20).
b. VOC as methane in ppmvd at 3% oxygen and lb/hr (measured by USEPA Reference Methods 25A and 18).
c. SOx as SO2 in ppmvd at 3% oxygen and lb/hr.
d. CO in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Method 10).
e. PM10 in mg/m3 at 3% oxygen and lb/hr (measured per USEPA Reference Methods 5 and 202 or CARB Method 5).
f. Flue gas flow rate in dscf per minute.
g. Opacity (measured per USEPA Reference Method 9).