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

INACTIVE

C011762

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: APRIL 2015

OWNER OF OPERATOR (Co.#1375)

Frey Environmental
2817 A Lafayette Ave
Newport Beach, CA 92663

EQUIPMENT LOCATION (Fac.#3435)

Frey Enviornmental Inc. - 761 Hobsonway
761 East Hobsonway
Blythe, CA 92226

Description:
THERMAL / CATALYTIC OXIDIZER consisting of: Thermal/catalytic oxidizer natural gas fired .63 MMBtu/hr, manufactured by Baker Furnace, model TX200 series, serial #282. System includes vapor extraction wells, extraction blower with 7.5 hp motor, maximum flow rate 200 SCFM.

CONDITIONS:

1. Operation of this equipment shall be in strict compliance with all the information submitted with the application, for which this permit has been issued, unless specifically exempted hereunder.

2. The owner/operator (o/o) shall notify the District in writing a minimum of 10 District working days prior to operation of this equipment at each new location in the District. Included with the notification shall be justified VOC contaminant concentrations expected at the new location, and a statement regarding the absence of detectable halogenated hydrocarbons at the new location.

3. The exit to the exhaust stack shall have a minimum height of 13 feet measured from grade.

4. A flow sensor shall be installed and maintained at all inlet streams to the vapor control system to indicate the total air flow rate in cubic feet per minute (CFM). The total flow rate shall not exceed 200 CFM. In case a pressure sensor device is used in place of the flow indicator, a conversion chart shall be available to indicate the correspondent flow rate in CFM to the pressure reading.

Fee Schedule: 7 (h)	Rating: 1 device	SIC: 1799	SCC: 39990013	Location/UTM(Km): 725E/3273N

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.

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

5. The o/o shall take samples at both the inlet and outlet of the combustor/oxidizer. These samples shall be taken each month this unit operates, and on the first, second and last days of operation at each site. These samples shall be analyzed pursuant to USEPA Method 8260B.

6. During operations of this unit at each site, the o/o shall monitor both the inlet and outlet of the combustor/oxidizer with an photoionization detector (PID or equivalent) monthly, for the first 8 consecutive hours of the first day of operation at any site and for 8 consecutive hours of the second day of operation at any site. Included with the monitoring shall be the flow rate in SCFM to the combustor.

7. PID or equivalent shall be considered invalid if not calibrated on the day of required use.

8. A temperature measurement and recording device with an accuracy of plus or minus 20 degrees Fahrenheit shall be installed and maintained at the outlet of the combustion chamber. When the vapor control system is operating, the temperature at the outlet of the combustion chamber shall not be less than 1450 degrees Fahrenheit.

9. A temperature measurement and recording device with an accuracy of plus or minus 20 degrees Fahrenheit shall be installed and maintained at the inlet to the catalyst bed. When the vapor control system is operating in the catalytic mode, the temperature at the inlet of the catalyst bed shall not be less than 700 degrees Fahrenheit.

10. This system shall achieve a minimum destruction efficiency of 98 percent (by weight) from inlet to atmosphere and shall not exceed the following to atmosphere:
a. 75.0 ppmv VOC (as hexane)
b. 1.4 ppmv benzene
c. 26.2 ppmv methyl tertiary butyl ether
d. 5.3 ppmv ethyl benzene
e. 10.7 ppmv total xylenes
f. 1.9 ppmv toluene

11. The o/o shall maintain current and on-site for the duration of the project a log of the following information, which shall be provided to District personnel upon request, with date and time where appropriate:
a. Blower induced vacuum in inches of water column;
b. Oxidizer flow rate, in standard cubic feet per minute;
c. Oxidizer temperature in degrees Fahrenheit;
d. PID readings; and,
e. Test results.

12. Prior to January 31 of each calendar year, the owner/operator of this equipment shall submit to the District a summary report in a District approved format. The summary report shall include emissions of VOC, benzene, MTBE, ethyl benzene, toluene and total xylenes. The summary report shall also include the total amount of natural gas used.

13. Upon completion of each remediation project, all vapor extraction wells and ducts shall be capped to prevent vapors from venting to the atmosphere. The owner/operator of this equipment shall provide all logged data in the form of a summary report within 30 days of the completion of the use of this unit at any site.