



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

C008869

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JANUARY 2013

OWNER OF OPERATOR (Co.#1376)

Drewelow Remediation Equipment, Inc
1523 Sterling Court
Escondido, CA 92029

EQUIPMENT LOCATION (Fac.#2368)

Drewelow Engineering - Barstow
Santa Fe Railroad Train Yard
Barstow, CA 92311

Description:

SOIL VAPOR EXTRACTION consisting of: Carbon Adsorption Unit, Drewelow Remediation Equipment Inc., Model DE150, equipped with a gas-liquid separator, Sutorbilt 3L positive displacement blower, silencer, air to air heat exchanger, and 2 - 1,000 lb vapor phase carbon cannisters arranged in series. Maximum flow rate is 150 cfm.

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. During operation of this unit, the o/o shall take bag samples at both the inlet and outlet of the carbon adsorbers. These samples shall be taken monthly and on the first, second and last days of operation at each site. These bag samples shall be analyzed pursuant to USEPA methods 8015 modified and 8020.
3. During operations of this unit, the o/o shall monitor both the inlet and outlet of the carbon adsorber with an FID (or equivalent) monthly and for the first 8 consecutive hours of the first day and 8 hours of the second day of operation and the last days of operation. Included with the monitoring shall be the flow rate in SCFM to the adsorption unit.
4. FID or equivalent shall be considered invalid if not calibrated on the day of required use.

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 4959

SCC: 99999999

Location/UTM(Km):
497E/3860N

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.

Drewelow Remediation Equipment, Inc
1523 Sterling Court
Escondido, CA 92029

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

5. Items required to be logged are as follow:

- a. Reduced pressure value, in w.g., if this may yield flow rate to remediation unit.
- b. Flow rate of the vacuum pump, SCFM;
- c. Temperature of the carbon adsorbers.
- d. All items in 3-6 above and with the same frequency in 4 above.

6. Where determinations and/or logs are required in any of the above conditions, this District shall have final approval on the selected format of reporting. All logs shall be kept current, on-site for the duration of the project and provided to District personnel on request. At the completion of the use of this unit at any site, the o/o shall cap off all well heads and provide all the data delineated above in the form of a summary report within 30 days.

7. If this unit is to remain at a site for longer than 30 days before being moved, all analytical and FID (or equivalent) results shall be forwarded to the District upon receipt and referenced with this permit number.

8. This unit shall not be used on sites which contain contaminants other than TPH and/or BTEX without the prior written approval of the APCO.

9. The emissions of benzene to the atmosphere shall not exceed 0.25 lb/day nor 6.7 lb/year.

10. Prior to January 31 of each new year, the o/o of this unit shall submit to the District a summary report, using District approved format, of all VOC emissions (as hexane) and benzene for the site at which this unit was used.