



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

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

**INACTIVE**

C008014

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: JANUARY 2012**

**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 REMEDIATION EQUIPMENT consisting of: a Stealth Bobcat, model BC-250 catalytic oxidizing TPH/BTEX vapor extraction system. This unit is electrically driven, therefore the only combustion that takes place is the organics pulled from the ground wells by the pump. Dilution air is fed into the system if the vapors exceed approximately 2000 ppm, v/v to preclude overheating the catalyst. The pumps pulls out water if present and/or condensed water from the contaminated soil. Design rates are for approximately 250 ACFM of air with organics to be processed at a concentration of about 1500 ppm, v/v of TPH with lesser concentrations of BTEX. This system includes the necessary detection, monitoring, electrical, instrumentation, piping and valving to complete the systems operational necessities.

**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 District shall be notified by the owner/operator, o/o, in writing and by telephone a minimum of 10 District working days prior to operation of this equipment at each new location in this District. Included with the notification shall be justified estimates of TPH, MTBE (if applicable), and BTEX expected at the new location.
3. During operation of this unit at each site, the o/o shall take bag samples at both the inlet and outlet of the combuster/oxidizer. 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.

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.

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

4. During operations of this unit at each site, the o/o shall monitor both the inlet and outlet of the combustor/oxidizer 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 combustor.
5. FID or equivalent shall be considered invalid if not calibrated on the day of required use.
6. Items required to be logged are as follow:
  - a. Reduced pressure value, in w.g., if this may yield flow rate to combustor/oxidizer;
  - b. Flow rate of the vacuum pump, SCFM;
  - c. Temperature of the combustor/oxidizer;
  - d. All items in 3-6 above and with the same frequency in 4 above.
7. 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.
8. If this unit is to remain at a site for longer than 30 days before being moved, all analytical and first, second and last days FID (or equivalent) results shall be forwarded to the District upon receipt and referenced with this permit number.
9. 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.
10. The emissions of benzene to the atmosphere shall not exceed 0.25 lb/day nor 6.7 lb/year.
11. Prior to January 31 of each new year, the o/o of this unit shall submit to the District a summary report of all VOC emissions (as hexane) and benzene for all sites at which this unit was used. Also included shall be the total gallons of propane used for the year.