



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

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

**INACTIVE**

C008308

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: MAY 2012**

**OWNER OF OPERATOR (Co.#2820)**

4 Corners Chevron  
2852 Highway 58  
Kramer Junction, CA 93516

**EQUIPMENT LOCATION (Fac.#651)**

4 Corners Chevron  
2852 Highway 58  
Kramer Junction, CA 93516

**Description:**

SOIL REMEDIATION EQUIPMENT consisting of: an Emission Control Systems, Inc., 500 SCFM, direct fired thermal/catalytic oxidizer. This unit is trailer mounted. This unit pulls contaminated VOC laden air from the soil by a blower and transports the VOCs to the therm/ox system. The system maintains a 1450 degree F temperature for a minimum of 1 second. The catalyst is noble metal based and provided by Allied Signal in a ceramic substrate. The unit is rated at 1 million Btu/h. All the necessary piping, monitoring and electrical components for operation are included. Once the outlet concentrations of the therm/ox system are reduced, this system will be shut down and the VOC laden gases will vent to an activated carbon system. This system will consist of two in-series canisters each containing a minimum of 200 lb. The canisters' carbon will be replaced as necessary to effect minimum VOC emissions to the atmosphere.

**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. The submittal is incorporated in its entirety into this permit and act as specific limitations on the operation of all equipment described above.
2. The District shall be notified in writing and by telephone a minimum of 10 District working days prior to operation of this equipment.
3. During each operation (oxidizer or canister), determinations for TPH as hexane, or equivalent, shall be made using a flame ionization detector, FID, or other method determined to be equivalent by this District. Monitoring shall be for the first 8 consecutive hours on the first day of start-up of each operation and for 8 hours the next day. Monitoring may be reduced to monthly following each start-up, but shall consist of at least bag samples analyzed according to USEPA methods 8015, modified and 8020, until the project is completed.

Fee Schedule: 7 (h)	Rating: 1 device	SIC: 5541	SCC: 99999999	Location/UTM(Km): 451E/3872N
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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.

4 Corners Chevron  
Box 1130  
Exeter, CA 93221

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

4. Emissions determinations shall be conducted at both the inlet to and the outlet of the oxidizer/combustor during operation of the oxidizer and at the inlet to both carbon canisters as well as the outlet of the second in series canister when this unit is being used.
  
5. FID or District determined equivalent shall be considered invalid if not calibrated on the day of use.
  
6. Items required to be logged are as follow:
  - a. Reduced pressure value, in w.g. (if this may be used for calculating a flow rate)
  - b. Flow rate through the system being used, SCFM
  - c. Temperature of the combustor/oxidizer
  - d. All items in 3-6 above and with the same frequency in 3 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 project, the owner/operator shall provide all the data delineated above in the form of a summary report.
  
8. During operation, VOC samples shall be taken monthly, or more often, in Tedlar bags, for analysis by a laboratory certified by the State of California Department of Health Services (DHS). Samples shall be analyzed for TPH and BTXE. Analysis methods to be used are EPA 8015 (Modified) and 8020 respectively.
  
9. When the concentration of VOC leaving the second in series 200-2000 lb carbon canister exceeds 50 ppm, v/v as hexane, the activated carbon shall be replaced.
  
10. A log of all PID/FID readings, bag sample collection/analyses and replacement of carbon shall be made. The permit number shall appear on all logs and correspondence to the District..