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

INACTIVE

C008260

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2005

OWNER OF OPERATOR (Co.#86)

MAGTFTC MCAGCC
Box 788110, Bldg 1418
Twentynine Palms, CA 92278-8110

EQUIPMENT LOCATION (Fac.#591)

USMC AGCC
Box 788110, Bldg. 1451
Twentynine Palms, CA 922788110

Description:
SOIL REMEDIATION EQUIPMENT (BLDG 1077) consisting of: The equipment is two separate processes and consists of a direct Fired Thermal Oxidizer by Firecat, rated at 250 SCFM and an activated carbon dual canister system with each canister containing 1 ton of carbon. The Firecat will draw air from wells drilled into the contaminated soil. The vapors of gasoline/diesel fuel spills will be sent to the oxidizer, which operates on propane gas at a temperature of about 1450 degrees F. Because initial emission samples demonstrated concentrations of VOCs above 50,000 ppm, v/v, this system is equipped to bleed air in to dilute VOCs to about 5,000 ppm. This dilution will prevent rapid deterioration of the equipment and the reduction of the VOCs conversion to carbon dioxide and water. The carbon canisters process will be used once the concentration of VOCs are effectively reduced and the thermal/catalytic oxidizer will be shut down. This permit is modified by the addition of a platinum group catalyst block. This will allow the operation of the unit at lower temperatures and the reduction of fuel.

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 and application for modification to this ATC are incorporated in their 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

Fee Schedule: 7 (h)	Rating: 1 device	SIC: 9711	SCC: 99999999	Location/UTM(Km): 587E/3788N

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.

MAGTFTC MCAGCC
Box 788110, Building 1418

Twentynine Palms, CA 92278-8110

By: **COPY**
Brad Poiriez
Executive Director

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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 or their equivalents, until the project is completed.

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 or their equivalents, respectively.

9. When the concentration of VOC leaving the second in series 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..

11. The o/o of these units may, after successful demonstration to the District's satisfaction, that the VOCs emission rates are less than 25 lb/day, vent the VOC laden gases directly to the atmosphere. This provision is contingent on the total emissions of VOC not exceeding the basewide cap already in place.