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

## INACTIVE

C011221

Inactive type Permit has no description information.

## EXPIRES LAST DAY OF: MAY 2018

## OWNER OF OPERATOR (Co.#1976)

The Reynolds Group
520 West 1st Street
Tustin, CA 92780

## EQUIPMENT LOCATION (Fac.#3269)

The Reynolds Group
11660 Bartlett Ave.
Adelanto, CA 92301

**Description:**
SOIL VAPOR EXTRACTION SYSTEM consisting of: Slaby Sales, Inc., Model No. SSI250VES, Serial No. 0052, for in-situ soil remediation only, including: 1. Vapor Extraction Wells 2. Air/Water Separator and Filter 3. Extraction Blower, maximum design flow rate of 250 CFM, 7.5 bhp. 4. A Thermox Thermal Oxidier, rated at 1.5 MMBtu/hr (phase I cleanup). 5.Two Activated Carbon Adsorbers, in series, each with 1000 pound of granular activated carbon (phase II cleanup). 6. Exhaust Stack, Minimum 13' high above ground level.

## 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, a minimum of 10 District working days prior to the initial operation of this equipment at the location this for which this permit is granted. The notification should include the following information at a minimum:
a. The permit number of the equipment being used; and,
b. The name and phone number of a contact person; and,
c. The project start date and the estimated project completion date.

3. During operations of this unit, the o/o shall monitor both the inlet and outlet of the combustor/oxidizer with a photoionization detector (PID or equivalent) monthly, for the first 8 consecutive hours of the first day of operation at any site, for 8 consecutive hours of the second day of operation at any site, and for 8 consecutive hours of the last day of operation. Included with the monitoring shall be the

| Fee Schedule: 7 (h) | Rating: 1 device | SIC: 5087 | SCC: 50290006 | Location/UTM(Km): 459E/3826N |
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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.

The Reynolds Group
520 West 1st Street
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By: **COPY**
Brad Poiriez
Executive Director

flow rate in SCFM at the inlet to the equipment.

4. During operation of this unit, the o/o shall take bag samples at both the inlet and outlet of the combustor/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 8260B. These samples shall be analyzed by a State Certified Laboratory for ROC (TPH) and BTEX.

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

6. This system shall achieve a minimum destruction efficiency of 98 percent (by weight) from inlet to atmosphere.

7. Thermal Oxidizer
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 1400 degrees Fahrenheit.

Catalytic Oxidizer
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 750 degrees Fahrenheit.

8. The extraction blower shall only be operated when all extracted vapors are vented either to the thermal oxidizer, during phase I of the cleanup operation, or to the two 1000 pound activated carbon adsorbers connected in series, during the phase II of the cleanup operation.

9. A flow sensor (indicator) 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 250 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.

10. This equipment shall only be used to extract and treat non-chlorinated petroleum hydrocarbon vapors. This shall be demonstrated by an onsite soil characterization report.

11. Prior to January 31 of each new year, the o/o of this unit shall submit to the District a summary report, using a District approved format, of all VOC emissions (as hexane) and benzene, ethylbenzene, toluene and xylene (BETX). Also included shall be the total amount of natural gas used.

12. Records shall be maintained to prove compliance with conditions 3 through 10. The records shall be kept for at least two years and made available to District personnel upon request.

13. Upon completion any vapor extraction wells and ducts shall be capped to prevent vapors from venting to the atmosphere. Vapors shall not be extracted from the soil unless they are vented to the vapor control system, with no detectable leak between the outlet of the blower and the outlet of the vapor control system.