



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

C012827

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: AUGUST 2026

OWNER OF OPERATOR (Co. #1976)

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

EQUIPMENT LOCATION (Fac. #3720)

The Reynolds Group - Victorville
14520 7th Street
Victorville, CA 92392

Description:

SOIL VAPOR EXTRACTION SYSTEM consisting of: Carbon vessel absorption system, consisting of two (2) carbon containing vessels (1,000 lbs each) in series, with a 20 hp blower rated at 300 cfm.

EQUIPMENT

Capacity	Equipment Description
0	extraction wells and ducts
0	air sparging vapor extraction system, Slaby Sales, Inc., model no. SSI250VES, serial no. 0052 with a gas/liquid separator
0	two carbon adsorbers in series each with 1000 pounds capacity of granular activated carbon
0	exhaust system consisting of a 7.5 hp blower venting through a stack, 13" h., maximum design flow rate 250 scfm

CONDITIONS:

1. This equipment shall be in operation in strict accord with the manufacturer's specifications and in strict compliance with all the information submitted with the application, for which this permit has been issued, unless otherwise noted in this permit.
[District Rule 204]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 2007

SCC: 40100101

Location/UTM(Km):
512E/3775N

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**
Brad Poiriez
Executive Director

2. The owner/operator, o/o, shall notify the District in writing and by telephone a minimum of 10 days prior to start up of this system to allow a District observer to be present.

[District Rules 204 and 1320]

3. Equipment shall not be operated unless it is located at a minimum of 20 feet from the nearest off-site receptor which include adjacent businesses.

[District Rules 204 and 1320]

4. The exit to the exhaust stack shall have a minimum height of 13 feet measured from grade.

[District Rules 204 and 1320]

5. A flow 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). In case a pressure sensor device is used in place of the flow indicator, a conversion chart shall be made available to indicate the corresponding flow rate, in cfm, to the pressure reading. The flow rate of the blower shall not exceed 250 CFM.

[District Rules 204 and 1320]

6. During these operations, determinations for Volatile Organic Compounds expressed as hexane, or equivalent, shall be made using a Photo Ionization Detector, PID, or other method determined to be equivalent by this District. Monitoring shall be for the at least the first 3 consecutive hours on the first day of start-up. Monitoring may be reduced to monthly following start-up, but shall consist of at least bag samples analyzed according to USEPA method 8260B until the project is completed.

[District Rules 204 and 1320]

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

[District Rule 204]

8. Emissions determinations shall be conducted at both the inlet to and the outlet of the carbon adsorption vessels.

[District Rules 1303 and 1320]

9. Records shall be maintained to prove compliance with the conditions specified in this permit, and kept for a minimum of two years and made available to District personnel upon request. 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. Items required to be logged are as follows:

a. Flow rate of the vacuum pump, SCFM;

b. Results of PID conducted in accordance with conditions 6 and 7 demonstrating compliance with the limits specified in condition 10.

c. Records of the serial number of each canister of activated carbon, the date each is installed, the position in the series (first, second, or third stage position), and the date removed from service shall be maintained to document compliance with this condition.

[District Rule 204]

10. This system shall achieve a minimum destruction efficiency of 95 percent (by weight) from inlet to atmosphere and shall not exceed 4 PPMVD perchloroethylene to atmosphere.

[District Rule 1320]

11. Whenever the VOC concentration at the outlet of the primary carbon adsorber exceeds 10 percent of the TOC concentration at the inlet as Hexane, the system shall be shut down until the carbon vessels are re-sequenced and the carbon replenished as follows:

A. Primary Adsorber shall be replaced with either fresh adsorbent or adsorbent from the secondary adsorber, and

B. Secondary adsorber shall be replaced with fresh adsorbent.

Spent carbon removed from the system shall be stored in closed containers prior to removal from the site.

[District Rules 204 and 1320]

12. This unit shall not be used on sites which contain contaminants other than perchloroethylene without the prior written approval of the APCO.

[District Rule 1320]

13. Prior to January 31 of each calendar year or within thirty days of completion, the owner/operator of this equipment shall submit to the District a VOC emissions summary report in a District approved format. The report shall be electronically submitted to: reporting@mdaqmd.ca.gov.

[District Rules 204 and 1320]

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

[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]