



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

### PERMIT TO OPERATE

C008547

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

**EXPIRES LAST DAY OF: NOVEMBER 2024**

#### **OWNER OF OPERATOR (Co.#1481)**

AFCEE/GSINA - Gilbane II JV LLC  
18374 Phantom West Street  
Victorville, CA 92394

#### **EQUIPMENT LOCATION (Fac.#2538)**

AFRPA - SCLA/Phantom Dr  
18374 Phantom Drive  
Victorville, CA 923947951

#### **Description:**

SOIL REMEDIATION EQUIPMENT consisting of: a 250 THERMOX system by Solleco. This unit is located at site ST057 and has been in operation since June 2002. This unit is of the thermal/catalytic type and processes approximately 250 cubic feet of well gas that may be diluted with air. Oxidizer operating temperature is 1650 - 1800 degrees F.

#### **CONDITIONS:**

1. The owner/operator (o/o) shall operate this equipment in strict compliance with all the information submitted with the application for which this permit has been issued, unless specifically exempted here under.

[District Rules 204 and 1303]

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

[District Rules 204 and 1320]

3. 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). The flow rate of the blower shall not exceed 250 CFM.

[District Rules 204 and 1320]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 4959

SCC: 50410314

Location/UTM(Km):  
473E/3820N

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**  
Air Pollution Control Officer

4. This system shall achieve a minimum VOC destruction efficiency of 96 percent (by weight) from inlet to atmosphere, or shall not exceed 100 ppmv VOC (as isobutylene) to atmosphere.

[District Rules 1303 and 1320]

5. Emissions measurements shall be conducted at both the inlet to and the outlet from the catalytic oxidizer/combustor to demonstrate compliance with condition 4.

[District Rules 204 and 1320]

6. During operations, determinations for VOC as isobutylene, or equivalent, shall be made using an ionization detector (FID, PID or other method determined to be equivalent by the District). Monitoring shall be for the at least the first 3 consecutive hours on the first day of start-up but may be reduced to quarterly following the initial startup period. Monitoring shall consist of, at a minimum, (bag or canister) extracted samples analyzed according to USEPA method TO-15, until the project is completed.

[District Rules 204 and 1320]

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

[District Rules 204]

8. The o/o shall maintain current and on-site for the duration of the project a log of the following information, in a District-approved form, which shall be provided to District personnel upon request, with date and time where appropriate:

- a. Blower induced vacuum in inches of water column;
- b. Oxidizer flow rate, in actual cubic feet per minute;
- c. Oxidizer temperature in degrees Fahrenheit;
- d. Ionization detector readings; and,
- e. Initial and quarterly monitoring results.

[District Rules 204 and 1320]

9. 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 Rules 204 and 1320]

10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

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