



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

**INACTIVE**

**B004602**

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: AUGUST 2015**

### **OWNER OF OPERATOR (Co. #1911)**

ARCADIS-US, Inc.  
101 Creekside Ridge Ct, Fl 2  
Roseville, CA 95678-3595

### **EQUIPMENT LOCATION (Fac. #575)**

Arcadis - ARCO 0064  
500 E Main Street  
Barstow, CA 92311

#### **Description:**

SOIL VAPOR EXTRACTION AND TREATMENT consisting of: a Baker Furnace Thermal/Catalytic Oxidizing System Model TX-300, Serial No. 223, operating at a nominal 200 cubic feet per minute. This permit includes associated ancillary plumbing and controls.

#### **CONDITIONS:**

1. Operation of this equipment shall be in strict accord with all information submitted with the application for this permit. This equipment shall be operated and maintained in strict accord with those recommendations of the manufacturer.
2. During this operation, determinations for TPH as hexane shall be made using a flame ionization detector (FID) or other District approved method. Eight consecutive hourly emissions determinations shall be made by FID on both the first and second days of operation. The first day determinations shall commence within 30 minutes of start-up. Results of these first days' determinations shall be dispatched to the District within 10 days.
3. Subsequent to the initial determinations described above, monitoring may be reduced to monthly, in conjunction with bag samples and analyses pursuant to USEPA methods 8015 modified and 8260B, until completion of the project. These samples shall be analyzed by a State Certified Laboratory for ROC (TPH) and BTEX.
4. Emissions determinations by FID shall be measured at both the inlet and outlet of the combustor/catalytic oxidizer.
5. The use of FID shall be considered invalid if not calibrated daily with a known concentration of the selected gas.

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 8711

SCC: 50410314

Location/UTM(Km):  
727E/3721N

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**  
**Eldon Heaston**  
Air Pollution Control Officer

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

7. 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 200 cfm in either thermal or catalytic mode. 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.

8. Items which are required to be logged are as follows:

- a. Flow rate, SCFM;
- b. Temperature of combustor/catalytic oxidizer in degrees F;
- c. All items required to prove compliance with conditions 2 through 7, above.

9. Where determinations and/or logs are required to be kept, this District shall have final approval of the format selected. 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.

10. Prior to January 31 of each new year, the owner/operator 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.

11. 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.