



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

**INACTIVE**

C008309

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: MAY 2013**

### **OWNER OF OPERATOR (Co.#2817)**

The Barn KJ, Inc.  
6158 Highway 58  
Boron, CA 93516

### **EQUIPMENT LOCATION (Fac.#740)**

The Barn KJ  
6158 Highway 58  
Boron, CA 93516

#### **Description:**

SOIL REMEDIATION EQUIPMENT consisting of: a two part system consisting of soil vapor extraction system with a thermal/catalytic oxidizer and subsequent to reduction in emitted VOC, an activated carbon system. The therm/ox consists of a Baker furnace, model TX-500 with an Eclipse model No. 1MWT-169. This unit burns natural gas as a secondary fuel at 1400-1800 degrees F. This unit is designed to handle up to 25,000 ppm, v/v of TOC (VOC) at the inlet with a 50-500 SCFM flow rate. The carbon adsorption system to be used after initial reduction of VOCs consists of at least two in-series canisters that hold a minimum of 200 lb of activated carbon per canister. The blower extracting the VOC laden gases from the underground well system is a Universal, Model RAi No. 94F/EG&G Rotron Model DR 454. Both systems contain the necessary piping, valving, instruments and monitoring along with the electrical power needed for proper functioning.

#### **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 is incorporated in its 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 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, 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

Fee Schedule: 7 (h)      Rating: 1 device      SIC: 5541      SCC: 99999999      Location/UTM(Km): 455E/3853N

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 Barn KJ, Inc.  
Box 1130  
Exeter, CA 93221

By: **COPY**  
**Brad Poiriez**  
Air Pollution Control Officer

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 respectively.

9.When the concentration of VOC leaving the second in series 200-2000 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..