



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

I012654

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2017

OWNER OF OPERATOR (Co.#2287)

Stellar Renewable Power
35100 E Santa Fe Road
Daggett, CA 92327

EQUIPMENT LOCATION (Fac.#3659)

Sunray Energy 2, LLC
35100 E Santa Fe Road
Daggett, CA 92327

Description:

SOIL REMEDIATION SYSTEM consisting of: A rotary dryer that exhausts to an integral air pollution control system. The integral air pollution control system includes a baghouse and a thermal oxidizer operating at a nominal 1600 degrees Fahrenheit. This equipment is to be fired on natural gas exclusively.

CONDITIONS:

1. The owner/operator (o/o) shall operate this equipment in strict accord to those recommendations of the manufacturer/supplier which are consistent with the lowest emissions.
2. This equipment to be fired exclusively on Public Utilities Commission quality natural gas.
3. This equipment shall be used to remediate soil contaminated with heat transfer fluid only and shall be located at least 1600 feet from the nearest receptor.
4. This unit shall be operated less than 2,000 hours per year.
5. This dryer shall not be operated without exhausting through the properly operating baghouse and thermal oxidizer.

Fee Schedule: 2 (e)

Rating: 47700000 Btu

SIC: 4911

SCC: 50410535

Location/UTM(Km):
515E/3858N

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.

Stellar Renewable Power
14643 Dallas Parkway, Suite 250
Dallas, TX 75254

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

6. Thermal Oxidizer; A temperature measurement and recording device with an accuracy of plus or minus 20 degrees Fahrenheit shall be installed and maintained in the inlet to the vapor control system. Whenever the vapor control system is in operation, the temperature in the combustion chamber of the thermal oxidizer shall be at least 1600 degrees Fahrenheit.

7. The o/o shall maintain a current, on-site operations log, which shall be retained for five (5) years and shall be provided to Federal, state or District personnel upon request. This operations log shall, at a minimum, include the following information:

- a. Documentation of each soil consignment specifying overall weight, nature of contamination and percent of contamination;
- b. Amount of material fed into the rotary dryer each hour (in tons);
- c. Amount of natural gas combusted each day (in therms, Btus, or millions of cubic feet);
- d. Daily emissions of NO_x, VOC, CO, SO_x, PM₁₀ and benzene (in pounds), calculated on a monthly basis;
- e. Annual emissions of NO_x, VOC, CO, SO_x and PM₁₀ (in tons) calculated on a calendar year basis;
- f. Calendar year HAP emissions in tons including emissions from combustion by the dryer burner and thermal oxidizer burner as well as from soil treatment inside the dryer;
- g. Oxidizer inlet temperature during each operational hour; and,
- h. Oxidizer outlet temperature during each operational hour

8. The facility shall not emit NO_x, VOCs, PM₁₀, CO, H₂S, Pb, SO_x, or HAPS into the atmosphere at a rate exceeding the following limits in any consecutive 12 month period to remain below the Synthetic Minor - 80% (SM-80) threshold:

- a. NO_x: 20 tons
 - b. VOC: 20 tons
 - c. PM₁₀: 12 tons
 - d. CO: 80 tons
 - e. H₂S: 8 tons
 - f. Pb: 0.48 tons
 - g. SO_x: 20 tons
 - h. Any single HAP: 8 tons
 - i. Total of all HAPS: 20 tons
- [District Rules 1302 and 1303]

9. Not later than 60 days after initial startup and no less frequently than once every 36 months thereafter, the o/o shall perform a source test on this equipment, in accordance with the District Source Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit. This equipment shall be tested at the outlet of the oxidizer stack for:

- a. NO_x in pounds per hour
- b. PM₁₀ (filterable and condensable) in pounds per hour and grains per dry standard cubic foot.
- c. VOC in pounds per hour
- d. benzene in pounds per hour

10. Prior to January 31 of each year, the o/o of this unit shall submit to the District a summary report, using District approved format, demonstrating compliance with the limits specified in condition #7 and providing total fuel use for the previous calendar year.