



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B001627

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: DECEMBER 2014

OWNER OF OPERATOR (Co.#248)

Sunray Energy, Inc
35100 E Santa Fe Road
Daggett, CA 92327

EQUIPMENT LOCATION (Fac.#2009)

Sunray Energy - SEGS II
35100 E Santa Fe Road
Daggett, CA 92327

Description:

BOILER (U-100) consisting of: Mitsubishi Industries natural gas-fired boiler, Serial No. D-1277, rated at 340 million Btu/hr heat input (producing maximum 310,000 lb/hr of 953 deg F steam at 1700 psi). Note that horsepower is converted to Btu/hr assuming 2550 Btu/hp for rating purposes.

EQUIPMENT

Capacity	Equipment Description
340	Mitsubishi Boiler
1.2	Forced Draft Fan (U-101, 470 hp)
1.79	Three Low Pressure Feedwater Pumps (P-200A, B & C @ 235hp each)
2.43	Two High Pressure Feedwater Pumps (P-300A & B @ 476 hp each)

CONDITIONS:

1. The total consumption of natural gas to fire equipment associated with the generation of electric power at SEGS I and SEGS II shall not exceed 11,789,500 therms per year, and the consumption at SEGS II shall not exceed 10,420,750 therms per calendar year, calculated on a rolling 12 month basis.
2. This boiler shall be equipped with a low NOx natural gas or dual fuel burner warranted by the manufacturer to produce less than or equal to 70 ppmv of NOx, dry, referenced to 3% O2.

Fee Schedule: 8 (f)

Rating: 345420000 Btu

SIC: 4911

SCC: 10100601

Location/UTM(Km):
515E/3838N

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.

Sunray Energy, Inc
PO Box 338
Daggett, CA 92327

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

3. Operation of this equipment with an alternate fuel, without prior approval of the District, is prohibited.

4. A Continuous Emission Monitoring System (CEMS) for NO_x and oxygen shall be installed and operated as required by 40 CFR 60, Subpart Da, and shall meet the applicable performance specifications given in 40 CFR 60 Appendix B.

5. The owner/operator (o/o) shall comply with a District-approved monitoring plan for the monitoring and recordkeeping of natural gas consumption, hours of operation, cylinder gas audits, exceedances and CEMS off-line occurrences, including reporting format and schedule. Recording power meters, or meters approved as equivalent by the District, shall be certified, and re-certified, in accordance with gas provider schedules for the same or equivalent meters.

6. The o/o shall maintain current and on-site for a minimum of two (2) years a daily operations log, which shall be provided to district personnel upon request. Said operations log shall include at least the following information:
 - a. Hours of operation per day;
 - b. Dates of routine maintenance;
 - c. Date and nature of major repairs and/or replacements;
 - d. Natural gas usage (daily, monthly and annually); and
 - e. Amount of HTF added to system.