



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B001885

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JANUARY 2020

OWNER OF OPERATOR (Co.#2733)

NextEra Energy Capital Holdings, Inc.
700 Universe Blvd.
Juno Beach, FL 33408

EQUIPMENT LOCATION (Fac.#941)

Resurgence Solar & BESS
41100 Highway 395
Boron, CA 93516

Description:

STEAM BOILER (SEGS VII) consisting of: Natural gas fired boiler HX-540 at SEGS VII, Serial No. 6797. For fee rating purposes, horsepower ratings have been converted to Btus assuming 2550 Btu per horsepower.

EQUIPMENT

Capacity	Equipment Description
367	Steam Boiler HX-540 (rated 367 MMBtu/hr)
2.04	Forced Draft Fan F-501 (800 hp)
0.6375	Gas Recirculation Fan F-510 (250 hp)
0	Boiler Water Electric heater H-545, 140 kW(e)
5.5386	Feedwater Pumps P-520 & P-521 (2 @ 1086 hp)

CONDITIONS:

1. The maximum hourly (lb/hr) and daily (lb/day) emission limits for the following criteria pollutants are:

- 21.6 lb/hr of NO_x but not to exceed 310.4 lb in any one day
- 26.7 lb/hr of CO but not to exceed 427.2 lb in any one day
- 4.0 lb/hr of particulate but not to exceed 64.0 lb in any one day
- The hourly emission for NO_x shall be reported per the approved CEMS monitoring plan. The maximum emission for a hour shall be the highest of the four fifteen minute period averages during that hour.
- Daily emissions shall be reported based on the hourly emissions reported above.

Fee Schedule: 8 (f)

Rating: 375216100 Btu

SIC: 4911

SCC: 10100601

Location/UTM(Km): 450E/3874N

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

2.A Continuous Emission Monitoring System (CEMS) shall be operating at all times in accordance with the District approved monitoring plan.

3.The o/o shall maintain a file of the CEMS data, all fuel usage records, and all records and copies of source tests performed on any emissions unit (SEGS III through VII) at the site. All information shall be recorded in a permanent form suitable for inspection. The file shall be retained for at least five (5) years following the date of such measurement, calculation, reports and records. The District shall be granted access to these records upon request.

4.The NO_x concentration level shall not exceed 45 ppmv (dry at 3% O₂) when the load level is equal to or greater than 40% of design capacity.

5.Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The test report shall be submitted to the District within 45 days following completion of testing but not later than six (6) weeks prior to the expiration of this permit. The following compliance tests are required:

- a. Annual compliance test for NO_x and CO.
- b. A compliance test to verify particulate emission rate every five (5) years, commencing in 1995. However, particulate emission compliance testing may be required at the discretion of the District. The o/o shall have such test performed and the emission limit given below shall not be exceeded.

6.The total emissions of NO_x for SEGS III through VII shall be limited to 515.1 pounds per day (94 tons/year), calculated based on a rolling annual average (day is defined as any 24-hour period beginning at midnight). Emitting equipment subject to this limitation shall include the following:

- a. Boilers for SEGS III through VII;
- b. HTF heaters for SEGS III through VII;
- c. Diesel Generators for SEGS III through VII; and
- d. Diesel Fire Pumps for SEGS III through VII.

Compliance with this emission limit for the boiler shall be determined by using the CEMS data and fuel use data used for the other items mentioned above, and calculating an arithmetic average of the previous 365 days (Reference letter from United States Environmental Protection Agency, Region IX, dated January 1989, file: NSR 2 - LUZ).

7.Daily logs shall be maintained which includes, but is not limited to, the following:

- a. Hours of operation/day
- b. Dates of routine maintenance
- c. Dates of major repairs and/or replacements
- d. Natural gas usage
- e. Amount of HTF added to system.

This information shall be maintained on site for a minimum of two (2) years and be provided to District personnel on request.

8.A truck parking/fueling area on the west side of the Pilot Travel Center (covering approximately 64,000 sq. ft.), paved with asphalt material for particulate matter offset requirements, shall be maintained to ensure dust abatement integrity by the o/o for the duration of operation of SEGS III through VII. The area is located in Kramer Junction, south of State Highway 58 and west of State Highway 395.