



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B002013

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: MARCH 2022

OWNER OF OPERATOR (Co.#603)

Luz Solar Partners LTD., VIII
437 Madison Avenue 22nd Floor, Suite A
New York, NY 10022

EQUIPMENT LOCATION (Fac.#975)

Harper Lake SEGS VIII
43880 Harper Lake Road
Hinkley, CA 92347

Description:

HEATER, SEGS VIII HTF consisting of: A Kinetics Technology Inc. natural gas-fired heater with a maximum design heat input of 872 MMBTU/hr and including the following equipment (motors are added to the rating assuming 2550 Btu per horsepower):

EQUIPMENT

Capacity	Equipment Description
872	Heaters, Vertical Tube Box - Four (H-200, H-210, H-220 & H-230) each with 32 Alzeta Pyrocore radiant burners
2.04	Blowers, Forced Draft - Two (B-235 @ 300 hp & 1190 rpm; B-255 @ 500 hp @ 1200 rpm)
2.04	Fans, Induced Draft - Two (B-236 @ 300 hp & 885 rpm; B-256 @ 500 hp & 1190 rpm)
22.9	Pumps, HTF Var Freq - Three (P-300, P-310 & P-300) 3,000 hp each @ 1794 rpm
0.3	Pump, Freeze Protection - One (P-365) 100 hp @ 1775 rpm

CONDITIONS:

1. The maximum hourly and daily emission limits (Reference letter from WZI, Inc. dated May 2, 1994, subject "Proposed Emission Limits for SEGS VIII and SEGS IX Heaters") for the following criteria pollutants are:

NOx - 81.2 lb/h (which is based on a ppmv of 67) but is not exceed 580 lbs in any one day.

CO - 248 lb/h (which is based on a ppmv of 350) but is not to exceed 550 lbs in any one day.

PM10 - 5.2 lb/h but not to exceed 83.2 lb in any one day.

a) The average hourly emission for Nox and CO shall be reported per the approved monitoring plan. The average hourly rate shall be

Fee Schedule: 2 (f)

Rating: 899280000 Btu

SIC: 4911

SCC: 10100601

Location/UTM(Km): 469E/3876N

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

the arithmetic average of four or more data points equally spaced over each 1-hour period.

b) Daily emissions shall be reported based on the hourly emissions reported above.

c) All PM emissions from these heaters shall be assumed to be 100% PM10.

2.The total annual emissions for Nox and CO when calculated on a rolling annual average shall not exceed the following:

NOx - 27.9 tons/year

CO - 26.5 tons/year

Compliance with this emission limit shall be determined by using CEMS data and calculating an arithmetic average of the previous 365 days (Day is defined as any 24-hour period beginning at midnight).

3.The daily emissions of NOx and CO and as well as O2 (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS) which shall be operating at all times in accordance with the District approval monitoring plan.

4.The following are the acceptability testing requirements for the CEMS:

a) For NOx CEMS - Performance Specifications 2 of 40 CFR 60 Appendix B.

b) For O2 CEMS - Performance Specification 3 of 40 CFR 60 Appendix B.

c) For CO CEMS - Performance Specification 4 of 40 CFR Appendix B.

5.The following compliance tests are required and the emission limit given above shall not be exceeded:

a) At least once every twelve (12) months: a compliance test for NOx (as NO2 in ppmv at 3% O2 & dry);

b) At least once every twelve (12) months: a compliance test for CO (in ppmv at 3% O2 & dry);

c) At least once every sixty (60) months: a compliance test to verify PM10 emissions rate, commencing in 1997. However, PM10 emission compliance testing may be required at the discretion of the District.

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

6.Daily logs shall be maintained which include, 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 use; and,

e) Amount of HTF added to system.

7.Quarterly reports shall be provided to the District Compliance Supervisor in accordance with the District approved monitoring plan. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.