MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

RENEWAL

B011061

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: OCTOBER 2026

OWNER OF OPERATOR (Co.#1884)

Genesis Solar, LLC
11995 Wiley Wells Rd.
Blythe, CA 92225

EQUIPMENT LOCATION (Fac.#3137)

Genesis Solar - Blythe
11995 Wiley Wells Rd.
Blythe, CA 92225

Description:
AUXILIARY BOILER #2 consisting of: Victory Boiler, 3-pass wetback firetube type, Model No. F3-750-S150, Serial Number TBD, low-NOx burner Powerflame Model Nova Plus NVC13-G-30, Serial Number TBD rated at a maximum heat input of 30 MMBtu/hr HHV operating at 55 % excess air, fueled exclusively on utility grade natural gas or equivalent with prior District approval. Equipment shall use not more than 31,579 cu-ft/hr of fuel. Boiler will be equipped with a stack that is 47.5 feet high and 28.5 inches in diameter.

CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

2. This equipment shall be exclusively fueled with natural gas and shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.

3. Emissions from this equipment shall not exceed the following hourly emission limits at any firing rate, verified by fuel use and regular compliance tests:

a. NOx as NO2:
1. 0.330 lb/hr operating at 100% load (based on 9.0 ppmvd corrected to 3% O2 and averaged over one hour)
b. CO:
1.0.563 lb/hr operating at 100% load (based on 50 ppmvd corrected to 3% O2 and averaged over one hour)

Fee Schedule: 2 (e)	Rating: 30000000 Btu	SIC: 4911	SCC: 10300602	Location/UTM(Km): 727E/3723N

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.

Genesis Solar, LLC
P.O. BOX 2370
Blythe, CA 92226

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

c. VOC as CH4:
1. 0.088 lb/hr operating at 100% load
d. SOx as SO2:
1. 0.008 lb/hr operating at 100% load
e. PM10:
1.0.150 lb/hr operating at 100% load

4. The o/o shall maintain an operations log for this equipment on-site and current for a minimum of five (5) years, and said log shall be provided to District personnel on request. The operations log shall include the following information at a minimum:

a. Total operation time (hour/day, hours/month and cumulative hours/rolling twelve months);
b. Fuel use (daily, monthly and cumulative hours/rolling twelve months);
c. Maximum hourly, maximum daily, total quarterly, and total calendar year emissions of NOx, CO, PM10, VOC and SOx (including calculation protocol); and,
d. Any permanent changes made to the equipment that would affect air pollutant emissions, and indicate when changes were made.

5. This equipment shall not be operated for more than 1,000 hours per rolling twelve month period and more than 14 hours per calendar day.

6. The o/o shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the o/o shall provide a written test plan for District review and approval. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to the District within forty-five (45) days after testing.

7. The o/o shall perform regular compliance tests on this equipment at least every twelve months. Initial compliance testing has been approved by the District. The following compliance tests are required:

a. NOx as NO2 in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Methods 19, 20 and 7E).
b. VOC as CH4 in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Methods 25A and 18).
c. SOx as SO2 in ppmvd at 3% oxygen and lb/hr.
d. CO in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Method 10).
e. PM10 in mg/m3 at 3% oxygen and lb/hr (measured per USEPA Reference Methods 5 and 202 or CARB Method 5).
f. Flue gas flow rate in dscf per minute.
g. Opacity (measured per USEPA reference Method 9).

Additionally, records of all compliance tests shall be maintained on site for a period of five (5) years and presented to District personnel upon request.

8. The emissions from this facility shall be less than the following limits:

a. 8 tons per year of any single HAP or 20 tons per year of any combination of HAPs on a 12 month calendar year basis.
b. 12 tons of PM10 per year on a 12 month calendar year basis.
c. 20 tons of NOx per year on a 12 month calendar year basis.
d. 20 tons of VOC per year on a 12 month calendar year basis.
e. 80 tons of CO per year on a 12 month calendar year basis.
f. 20 tons of SOx per year on a 12 month calendar year basis.

Compliance with this limit shall be verified with monthly facility emission summaries. Monthly emissions summaries shall be calculated using a District-approved method, with at least the last two years of monthly emissions summaries maintained and available to be provided to District, State or Federal personnel upon request.

9. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. A comprehensive emission inventory including both criteria pollutants and HAP/TAC shall be submitted every third submission. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]