



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

C011063

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

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:

CARBON FILTER ADSORPTION SYSTEM (UNIT 2) consisting of: Two carbon adsorption canisters in parallel with 98% control efficiency in each stage with an overall control efficiency of 98%. Canister capacity/dimensions to be provided once determined.

EQUIPMENT

Capacity	Equipment Description
0	HTF System vent carbon filter
0	Associated piping and components

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.

[District Rule 1303]

2. This equipment must be in use and operating properly at all times the HTF ullage system is venting.

[District Rules 1303 and 1320]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 4911

SCC: 9999999

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**
Eldon Heaston
Air Pollution Control Officer

3. This carbon adsorption system shall provide at a minimum 98% control efficiency of VOC emissions vented from the HTF ullage/expansion system under valid District Permit B012001 and/or B012002
[District Rules 1303 and 1320]

4. The o/o shall perform monitoring of the system and change-out of the carbon according to a District approved monitoring and change-out plan.
[District Rules 1303 and 1320]

5. Total emissions of VOC to the atmosphere shall not exceed 1.5 lbs/day and 548 lb/year, calculated based on the most recent compliance tests.
[District Rules 1303 and 1320]

6. Total emissions of benzene to the atmosphere shall not exceed 0.6 lbs/day and 219 lbs/year, calculated based on the most recent compliance tests.
[District Rules 1303 and 1320]

7. This equipment may only:
a. Vent through the north vent up to 10.5 hours per day (based on emissions test conducted 3/11/24)
b. Vent through the south vent up to 24 hours per day
[District Rule 1303 BACT]

8. During operation, o/o shall monitor VOC measured as hexane at outlet from the carbon beds. Weekly monitoring shall be conducted using the installed VOC monitors and verified monthly using a District approved PID.
[District Rule 204]

9. PID shall be considered invalid if not calibrated on the day of required use and in accordance with the manufacturer's recommended calibration procedures.
[District Rule 204]

10. The o/o shall maintain an operations log (in electronic or hardcopy format) current and on-site for a period of five (5) years. The log shall contain at a minimum the following information and shall be provided to District personnel upon request.
a. Hours/Day each vent emits to atmosphere
b. Date and time of VOC monitoring
c. Results of VOC monitoring
d. Date and description of all maintenance, malfunctions, repairs and carbon change out(s)
[District Rule 204]

11. 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.
[District Rule 204]

12. 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. VOC as CH₄ in ppmvd and lb/hr (measured per USEPA Reference Methods 25A and 18 or equivalent).
- b. Benzene in ppmvd and lb/hr (measured per CARB method 410 or equivalent).

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.
[District Rules 1303 and 1320]

13. 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.

[District Rules 1303 and 1320]

14. 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]