



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

B011449

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:

COOLING TOWER (UNIT 2) consisting of: One cooling tower, manufacturer: SPX, model: MD5016 SAD2L SBF and serial numbers 10052006-B2. Circulation rate 3,450 GPM through two cells each with diameter TBD and equipped with a drift eliminator with drift rate less than or equal to 0.0005%.

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 1302(C)(2)(a)]

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

[District Rule 1302(C)(2)(a)]

3. The drift rate shall not exceed 0.0005 percent. The maximum hourly PM10 emission rate shall not exceed 0.043 pounds per hour, as calculated per the written District-approved protocol.

[District Rule 1303]

Fee Schedule: 1 (b)

Rating: 162 bhp

SIC: 4911

SCC: 38500102

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

4. The operator shall perform weekly tests of the blow-down water total dissolved solids (TDS). The TDS shall not exceed 5000 ppmw based on an arithmetic average of all TDS measurements conducted each month. The operator shall maintain a log which contains the date and result of each blow-down water test in TDS ppm, and the resulting mass emission rate. This log shall be maintained on site for a minimum of five (5) years and shall be provided to District personnel on request.[District Rule 1303]

5. The operator shall conduct all required cooling tower water tests in accordance with a District-approved test and emissions calculation protocol. Thirty (30) days prior to the first such test the operator shall provide a written test and emissions calculation protocol for District review and approval.
[District Rule 1303]

6. A maintenance procedure shall be established that states how often and what procedures will be used to ensure the integrity of the drift eliminators. This procedure is to be kept on-site and available to District personnel on request.[District Rule 1303]

7. 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 Rule 1303]

8. 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]