



## 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

E011066

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 2024**

#### **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:**

DIESEL IC ENGINE, FIRE PUMP #1 consisting of: Year of Manufacture 2011; Tier III, USEPA Family Name BJDXL09.0114.

One John Deere, Diesel fired internal combustion engine Model No. JW6H-UFADF0 and Serial No. RG6090L113555, After Cooled, Direct Injected, Turbo Charged, producing 327 bhp with 6 cylinders at 1760 rpm while consuming a maximum of 25.0 gal/hr. This equipment powers a Patterson Clarke Fire Pump Model No. TBD and Serial No. FP-C0111129, rated at TBD.

#### **EMISSIONS RATES**

| Emission Type | Est. Max Load | Unit   |
|---------------|---------------|--------|
| CO            | 0.5           | lbs/hr |
| NOx           | 1.87          | lbs/hr |
| PM10          | 0.08          | lbs/hr |
| SOx           | 0.0           | lbs/hr |
| VOC           | 0.07          | lbs/hr |

#### **CONDITIONS:**

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4911

SCC: 20300101

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**  
Air Pollution Control Officer

2.This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.

3.A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.

[Title 17 CCR 93115.10(e)(1)]

4.This unit shall be limited to use for emergency power, defined as in response to a fire or due to low fire water pressure. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit. The 50 hour limit can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled compression ignition engine operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition. This requirement includes usage during emergencies.

[Title 17 CCR 93115.3(n)]

5.The owner/operator (o/o) shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of two (2) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date of each use and duration of each use (in hours);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

6.This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.

7.This unit is subject to the requirements of the Federal National Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII).

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]