



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

PERMIT TO OPERATE

E011064

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, CA92225

EQUIPMENT LOCATION (Fac. #3137)

Genesis Solar - Blythe
11995 Wiley Wells Rd.
Blythe, CA92225

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR #1 consisting of: Year of Manufacture 2010, USEPA Flexibility Engine Family Name ACPXL32.0ESW.

One Caterpillar, Diesel fired internal combustion engine Model No. C32 and Serial No. PRH02661, After Cooled, Direct Injected, Turbo Charged, producing 1474 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 72.0 gal/hr. This equipment powers a Caterpillar Generator Model No. SR5 and Serial No. G2Z0089, rated at 1000 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	.201	gm/bhp-hr
NOx	3.83	gm/bhp-hr
PM10	.10	gm/bhp-hr
PM2.5	0.10	gm/bhp-hr
SOx	0.01	gm/bhp-hr
VOC	0.20	gm/bhp-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

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, CA92226

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60.4211(a)]

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.
[17 CCR 93115.5(a), 40 CFR 80.510(b), and 40 CFR 60.4207(b)]

3.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93115.10(d)]

4.This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. Emergency use includes planned outages when the facility has no other source of power available and is not generating power for sale. Such "planned outage" emergency use shall not exceed 200 hours total per year. The owner/operator must notify the District prior to the use of this emergency generator during a "planned outage" emergency. Notifications must be sent to reporting@mdaqmd.ca.gov and include the permit number(s) and the dates of the outage.
[District Rule 301 (E)(7)(g)]

5.This equipment shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance.
[17 CCR 93115.6(a)(3) and 40 CFR 60.4211(f)]

6.This unit shall not be used to provide power during a voluntarily agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17 CCR 93115.6(c)(1)(C)]

7.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, emergency - planned outage, 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).
- [17 CCR 93115.10(f)]

8.This equipment may operate in response to an impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time. The engine may be operated no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17 CCR 93115.6(a)(2)]

9.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 more stringent shall govern.

10.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).

11.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 SO_x 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.

12.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]