



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

E014528

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: MARCH 2027

OWNER OF OPERATOR (Co. #2930)

Terra-Gen Operating Company, LLC
43880 Harper Lake Road
Hinkley, CA 92347

EQUIPMENT LOCATION (Fac. #4367)

Lockhart Solar Project
43880 Harper Lake Rd.
Hinkley, CA 92347

Description:

LPG IC ENGINE, EMERGENCY GENERATOR consisting of: A LPG-fired internal combustion engine, USEPA family NPSIB5.702ED, manufactured in 2022. Exhaust flow approximately 571 acfm, at 1306 degrees Fahrenheit through a 4.0 foot high by 4 inch diameter exhaust stack. Equipment is located at an elevation of 2081 feet above MSL.

One General Motors, LPG fired internal combustion engine Model No. 5.7L and Serial No. 57L0018998, Three-Way Catalyst (also NSCR), Direct Injected, Electronic Control Module, producing 113.2 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 330 scf/hr. This equipment powers a Stamford Generator Model No. UCI224F1 and Serial No. G22D147224, rated at 60 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.0	gm/bhp-hr
NOx	0.50	gm/bhp-hr
PM10	1.3E-04	gm/bhp-hr
SOx	3.9E-06	gm/bhp-hr
VOC	0.25	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4911

SCC: 20100202

Location/UTM(Km):
468E/3876N

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.

Terra-Gen Operating Company, LLC
43880 Harper Lake Road
Hinkley, CA 92347

By: **COPY**
Brad Poiriez
Executive Director

1. This stationary, spark-ignited, internal combustion engine and its associated control device (Three-Way Catalyst) and air/fuel ratio controller shall be installed, operated and maintained in strict accordance 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.
[40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, subpart 60.4243; District Rule 1302]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[40 CFR 60.4237]

3. This unit shall only be fired on liquid propane gas (LPG) fuel.
[40 CFR 60.4243, District Rules 431 and 1303]

4. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this engine shall be operated no more than 50 hours per year for testing and maintenance.
[District Rule 1320 (hour limiting)]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, 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. Monthly fuel usage in gallons;
- b. Monthly, calendar quarterly, and calendar year operation in terms of total hours;
- c. Records of all maintenance and repair actions performed on the engine, generator, and the catalytic converter.

[40 CFR 60.4245, 40 CFR 1048]

6. 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.
[40 CFR 60.4243]

7. This equipment shall not be used to provide power during a voluntary 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.
[40 CFR 60.4243]

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.
[District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]