



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

E014548

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: JUNE 2025

OWNER OF OPERATOR (Co. #2588)

Rhea's Garden, CA, Inc.
16560 Beaver Road
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac. #4009)

Rhea's Garden, CA, Inc.
16560 Beaver Road
Adelanto, CA 92301

Description:

NATURAL GAS IC ENGINE, EMERGENCY GENERATOR consisting of: Natural gas engine, USEPA family LPSIB31.8NGP, manufactured in 2020. Exhaust flow of 3179 acfm, at 1382 degrees Fahrenheit through a 12 foot high by 1 foot diameter exhaust stack. Engine is equipped with factory installed three-way catalyst and pre- and post-catalyst O2 sensors.

OnePower Solutions International, Inc., NG fired internal combustion engine Model No. 31.8LT-CAC and Serial No. TBD, Three-Way Catalyst (also NSCR), Four-Stroke Rich Burn, After Cooled, Air-To-Fuel Ratio Controller, Turbo Charged, producing 805 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 5.797 MMBtu/hr. This equipment powers a Power Solutions International, Inc. Generator Model No. TBD and Serial No. TBD, rated at 540 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.56	gm/bhp-hr
NOx	0.05	gm/bhp-hr
PM10	0.01	lbs/MMBtu
PM2.5	0.01	lbs/MMBtu
SOx	0.014	lbs/MMBtu
VOC	0.04	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g) Rating: 1 device SIC: 2833 SCC: 20100202 Location/UTM(Km): 457E/3824N

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.

Rhea's Garden, CA, Inc.
Attn: Michael Kaiser

West Hollywood, CA 90069-4109

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

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 unit to indicate elapsed engine operating time.
[40 CFR 60.4237]

3.This unit shall only be fired on PUC regulated Pipeline quality natural gas fuel.
[40 CFR 60.4243, District Rules 431 and 1302]

4.This engine shall not be operated unless all of the following engine systems are properly functioning:

- a. Air-to-Fuel Ratio Controller
- b. Oxygen Sensor
- c. Non-Selective Catalytic Reduction

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician or as allowed with prior APCO written permission.

[District Rule 1302]

5.The Air-to-Fuel Ratio Controller shall be used in conjunction with the control device, and shall be maintained and operated appropriately to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243]

6.This unit shall be limited to emergency use only, 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 100 hours per year for testing and maintenance.
[40 CFR 60.4243(d), District Rule 1302]

7.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 following information:

- 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 standard cubic feet or total hours;
- d. The date and a summary of any emissions corrective maintenance taken; and
- e. Records of all maintenance and repair actions performed on the engine, including any calibrations carried out on the AFRC.

[40 CFR 60.4245, District Rule 1320]

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.

[40 CFR 60.4243]

9.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]

10.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]