



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B013812

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2022

OWNER OF OPERATOR (Co.#2588)

Rhea's Garden, CA, Inc.
16556 Beaver Road
Adelanto, CA92301

EQUIPMENT LOCATION (Fac.#4009)

Rhea's Garden, CA, Inc.
16556 Beaver Road
Adelanto, CA92301

Description:

NATURAL GAS IC ENGINE, GENERATOR consisting of: Model Year 2020, EPA Engine Family XPSIB31.8NGP, equipped with factory installed three-way catalyst and pre- and post-catalyst O2 sensors. Stack Data: Hght: 12 ft Diam: 1 ft Temp: 1382 F ACFM: 3179

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

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.

Fee Schedule: 1 (c) Rating: 805bhp 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.
16556 Beaver Rd Ste B
Adelanto, CA92301

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

[40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, subpart 60.4243; District Rule 1302]

2.This unit shall only be fired on PUC regulated Pipeline quality natural gas fuel.

[40 CFR 60.4243, District Rules 431 and 1302]

3.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, District Rule 1160(E)(1)(b)]

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 engine must be inspected at least once each quarter or after every 2,000 hours of operation, whichever is more frequent. An inspection includes any testing, maintenance, and/or other procedures that ensure the engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of District Rule 1160. Records of such inspections must include the following information as a minimum:

- a. Inspection Date;
- b. Records of testing, as applicable; and
- c. Records of maintenance.

[District Rule 1160(E)(1)(a)]

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 information specified below:

- a. Daily record of any engine control system and AFRC system faults or alarms that affect emissions.
- b. Quarterly fuel use (in cubic feet or therms) and quarterly hours of operation, on a calendar quarter basis;
- c. The date and a summary of any emissions corrective maintenance taken;
- d. Records of all maintenance and repair actions performed on the engine, the AFRC, and the catalytic converter; and
- e. Results of all engine inspections as required in Condition 6.

[40 CFR 60.4245, 40 CFR 1048, District Rule 1160]

8.In the event that the Three-Way Catalytic Converter is replaced, the new (replacement) Catalytic Converter must be of the same Manufacturer and model designation.

If the manufacturer or the model designation of the new (replacement) catalytic converter is not identical to the original catalytic converter, then the engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 and District Rule 1160 within 90 days after the catalytic converter replacement. The source test results must verify that the engine meets the emission limits found in District Rule 1160.

[40 CFR 60.4243, 40 CFR 60.4244, District Rules 1160, 1303 and 1320]

9.This engine does not require regular emissions testing, but the District may require testing at its discretion.

[District Rule 204]

10.This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ) and MDAQMD Rule 1160. In the event of conflict between these conditions and the

aforementioned rules/regulations, the more stringent requirements shall govern.
[District Rule 1302]

11.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]