



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B013753

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2020

OWNER OF OPERATOR (Co.#2581)

Generator Services Co., Inc.
10255 Philadelphia Court
Rancho Cucamonga, CA 91730

EQUIPMENT LOCATION (Fac.#4000)

Generator Services Co., Inc.
District Wide
MDAQMD, CA 92392

Description:

NATURAL GAS IC ENGINE, PORTABLE GENERATOR consisting of: Date of manufacture 1/14/2015, Engine Family FPSIB11.1NGP
Stack data Hght: 9 ft Diam: 3.5 inches Temp: 1350 F ACFM: 1425

One Power Solutions International, NG fired internal combustion engine Model No. D111L and Serial No. EEIOH404992, Turbo Charged, After Cooled, Three-Way Catalyst (also NSCR), Air-To-Fuel Ratio Controller, Four-Stroke Rich Burn, producing 302 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 2115 scf/hr. This equipment powers a HiPower HRNG230 Generator Model No. TBD and Serial No. TBD, rated at 230 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.0	gm/bhp-hr
NOx	1.0	gm/bhp-hr
PM10	9.5	lbs/MMscf
PM2.5	9.5	lbs/MMscf
SOx	0.6	lbs/MMscf
VOC	0.7	gm/bhp-hr

CONDITIONS:

1. This 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: 302 bhp

SIC: 7359

SCC: 20100207

Location/UTM(Km):
730E/3844N

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.

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

[District Rule 1302]

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

[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.

[District Rule 1302]

4. This natural gas ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)

[District Rule 1302]

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

- a. Air-to-Fuel Ratio Controller (AFRC)
- 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]

6. The Air-to-Fuel Ratio Controller (AFRC) 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.

[District Rule 1302]

7. The group of engines with valid District permits B013753, B013754, B013755, B013756, B013757, B013758, B013759, and B013760 shall not exceed an individual operating hour limit of 2,520 hours, or a combined total operating hours limit of 20,160 while operating at PG&E Topock Compressor Station. Further, these engines shall not operate at the PG&E Topock Compressor Station beyond December 31, 2020.

[District Rule 1303]

8. The group of engines with valid District permits B013753, B013754, B013755, B013756, B013757, B013758, B013759, and B013760 shall not operate at the PG&E Topock Compressor Station while any of the following engines with District Permit B003302 or B002660 are operating; Ingersol-Rand generators, serial numbers (8APS1061951 (P-1), 8APS1071951 (P-2), 8APS1081951 (P-3), 8APS1411953 (P-4) and Diesel Generator (P5).

[District Rule 1302]

9. 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 check for engine alarms; ?
- b. Monthly fuel use (in cubic feet or therms);
- c. Hours of operation for each engine, totaled on a monthly basis; ?
- d. Hours of operation for combined group of engines, totaled on a monthly basis;
- e. Monthly summary of engine emissions, calculated using fuel and/or hours and the emission rates referenced on this permit; ?
- f. The date and a summary of any emissions corrective maintenance taken; and ?
- g. Records of all maintenance and repair actions performed on the engine, including the AFRC, and the catalytic converter.

[District Rule 1302]

10. Engine control systems, such as air-to-fuel ratio controllers, shall have a malfunction indicator light and audible alarm. ?

Owner/operator shall have written procedures for responding to emission control malfunctions.

[District Rule 1302]

11. The owner/operator must notify the District when this equipment is moved to PG&E Topock Compressor Station for operation AND

when the equipment is removed from operation from this location.? The notification must be sent at least ten (days) prior to and after operation, and must include the following information.? Notifications must be sent electronically to reporting@mdaqmd.ca.gov.

- a. The District permit number;?
- b. The contact info of the responsible operator (name, phone number, email);
- c. Location of operation (address);?
- d. The expected start up/shut down day of operation; and,?
- e. The initial and final hour meter reading of the engine for this location.

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.

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