



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B013059

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2019

OWNER OF OPERATOR (Co.#2390)

M3 Innovations Unlimited, Inc.
4037 Phelan Road, Suite A #163
Phelan, CA 92371

EQUIPMENT LOCATION (Fac.#3775)

M3 Innovations Unlimited, Inc.
16552 Beaver Road
Adelanto, CA 92301

Description:

NATURAL GAS IC ENGINE, GENERATOR #2, CANNABIS consisting of: Year of Mfg 2018, EPA certified model year 2017, Engine Family HPSIB14.6NGP. Air-to-fuel ratio controller make/model; Power Solutions International Model 58030408. Exhaust Stack Data: Diameter; 3.5 inch Height; 80 inch Vertical with no weather cap

One Power Solutions Inc., NG fired internal combustion engine Model No. 14.6LTCAC and Serial No. TBD, Turbo Charged, Inter Cooled, Three-Way Catalyst (also NSCR), Air-To-Fuel Ratio Controller, Four-Stroke Rich Burn, producing 362 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 2760 scf/hr. This equipment powers a Marathon Electric Generator Model No. 433CSL6210 and Serial No. TBD, rated at 270 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.60	gm/bhp-hr
NOx	0.071	gm/bhp-hr
PM10	0.0328	gm/bhp-hr
SOx	0.002	gm/bhp-hr
VOC	0.069	gm/bhp-hr

CONDITIONS:

1. The owner/operator must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and

Fee Schedule: 1 (c)

Rating: 362 bhp

SIC: 2833

SCC: 20100202

Location/UTM(Km):
459E/3825N

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**
Eldon Heaston
Air Pollution Control Officer

specifications submitted with the application for this permit. [District Rule 204; Derived from 60.4243(b)(2)(ii)]

2. This engine shall comply with all applicable rules and regulations including 40 CFR 60, Subpart JJJJ - New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines and District Rule 1160 - Internal Combustion Engines. Note per District interoffice memo (May 25, 2018) the definition of emission control equipment has been clarified to exclude emission control equipment or devices that are installed on an Internal Combustion Engine as part of the manufactured design to meet a certification standard. Therefore, this unit is not subject to District Rule 1160 annual testing requirement.

3. This unit shall only be fired on pipeline quality natural gas fuel.
[District Rule 431; 1302]

4. 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(C)(2)(a); 1160(E)(1)(b)(i)b.]

5. The owner/operator shall conduct inspections of this engine at least once every quarter or after every 2,000 hours of operation, whichever occurs first. As a minimum, these inspections shall include any testing, maintenance and/or any other procedures that ensure the engine is being operated in accordance with the manufacturer's specifications and in continual compliance with the District-approved Inspection and Maintenance Plan (I&M Plan). Results of these inspections shall be recorded as noted in condition 6.
[40 CFR 60, Subpart JJJJ, District Rule 1160]

6. The owner/operator shall maintain an operations and inspection 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. Monthly fuel usage in cubic feet or therms (taken from dedicated fuel meter);
- b. Monthly and rolling twelve month operation in terms of total hours (from the engine hour timer);
- c. Records of all maintenance and repair actions performed on the engine, the AFRC, and the catalytic converter, including date and description;

[40 CFR 60.4243(b)(2)(ii) and 60.4245(a)(2); District Rule 1160(E)]

7. 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(g); District Rule 1160(E)(1)(b)(i)(c)]

8. The owner/operator must comply with the Emission Rates (described above), over the entire life of the engine. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.

[District Rule 1303(A); NSPS JJJJ; District Rule 1160]

9. The owner/operator shall Submit to the APCO for written approval an Inspection & Maintenance plan (I&M Plan). Upon written approval by the APCO, the owner/operator shall implement the I&M plan as approved. The I&M Plan shall institute an inspection and maintenance plan identifying at a minimum;

- a. Identification of engine and control equipment operating parameters necessary to maintain pollutant concentrations within District Rule 1160 and permit limits.
- b. Procedures for alerting the operator to emission control malfunctions. Engine control systems, such as air-to-fuel ratio controllers, shall have a malfunction indicator light and audible alarm.
- c. Procedures for responding to, diagnosing and correcting breakdowns, faults, malfunctions, alarms, diagnostic emission checks finding emissions in excess of District Rule 1160 or permit limits, and parameters out-of-range.
- d. Procedures and schedules for preventive and corrective maintenance.

[District Rule 1160]

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]