



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B013046

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2023

OWNER OF OPERATOR (Co. #2373)

Kavry Management, LLC/Pro Grow
29122 Rancho Viejo Road, Ste 204
San Juan Capistrano, CA 92675

EQUIPMENT LOCATION (Fac. #3750)

Kavry Management, LLC/Pro Grow (Ext)
17130 Muskrat Ave. #A
Adelanto, CA 92301

Description:

NATURAL GAS IC ENGINE, GENERATOR, CANNABIS consisting of: Certified Engine Family HSPRB06.2SCM. Carry Over Model Year: 2012. Year of Manufacture 2014, 4SRB, stack height 6 feet, stack diameter 2.0 inches, exhaust flow rate of TBD cubic feet per minute at TBD degrees Fahrenheit, equipped with a 3-Way Catalyst part number C12-51126-566. Engine meets the requirements of Part 60 Subpart JJJJ Table 1 and District Rule 1160. Carry Over Engine Family: CSPRB06.2SCM Facility Elevation is 2943 feet above sea level.

One GM, NG fired internal combustion engine Model No. VORTEC and Serial No. TBD, Electronic Control Module, producing 151 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 1732 scf/hr. This equipment powers a Springfield Remanufacturing Corp Generator Model No. TBD and Serial No. TBD, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.0	gm/bhp-hr
NOx	50	ppmvd
PM10	0.0095	gm/bhp-hr
PM2.5	0.0095	gm/bhp-hr
SOx	0.000588	gm/bhp-hr
VOC	0.7	gm/bhp-hr

CONDITIONS:

1. 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 (b) Rating: 151 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**
Brad Poiriez
Air Pollution Control Officer

specifications submitted with the application for this permit.
[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, and BACT thresholds of District Rule 1303. In the event of conflict, the more stringent requirement(s) shall govern.
[District Rules 1160, 1302, 40 CFR 60, Subpart JJJJ]

3.This unit shall only be fired on natural gas fuel.
[District Rule 431 and 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) and Rule 1160(E)(1)(b)(i)]

5.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.
[40 CFR 60.4243(g); District Rule 1160(E)(1)(b)(i)(c)]

6.The owner/operator of this Internal Combustion Engine shall maintain a log containing, at a minimum, the following data:

- a. District Authority to Construct/Permit to Operate (ATC/PTO) number, unit identification number and Emissions Control Equipment identification number, when applicable;
- b. Monthly fuel use usage in cubic feet or therms;
- c. Monthly hours of operation, from engine hour timer;
- d. Yearly hours of operation, from engine hour timer;
- e. Engine and emission control maintenance plan as required by 40 CFR 60 Subpart JJJJ;
- f. Date and a summary of any emissions corrective maintenance taken, including Records of all maintenance and repair actions performed on the engine, the AFRC, and the catalytic converter, including date and description;
- g. The Facility's District-approved Emission Control Plan, if applicable, and
- h. Initial and all subsequent Performance Test results.

The owner/operator shall maintain the records, on site, for a period of five (5) years, and shall be readily available, to the District upon request.
[Derived from 40 CFR 60, Subpart JJJJ and District Rule 1160(E)(2), Recordkeeping Requirements]

7.The owner/operator shall conduct inspections, whichever is the more frequent of, at least once every calendar quarter; or, after every 2,000 hours of engine operation. An inspection includes any testing, maintenance, and/or other procedures that ensure the Internal Combustion engine is operated in strict accordance with the Manufacturer's specifications and in continual compliance with the provisions of District Rule 1160. Each inspection shall include the following:

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

This Inspection Log shall be kept and included with the requirements of Condition 6, above.
[District Rule 1160]

8.Pursuant to District Rule 1160, and 40 CFR 60 Subpart JJJJ, the owner/operator must comply with the ppmvd emission standards over the entire life of the engine; compliance shall be demonstrated through an emission compliance test. At a minimum, emissions compliance testing shall be conducted for NOX, VOC, CO and oxygen (O₂) levels in compliance with the provisions of the District's Compliance Test Procedural Manual. Emissions concentrations shall not exceed the following values:

- a. NOX: 50 ppmvd at 15% O₂ (Rule 1160 Table 1);
- b. CO: 2.0 g/HP-hr (270 ppmvd at 15% O₂ per Subpart JJJJ, Table 1); and
- c. VOC: 0.7 g/HP-hr (60 ppmvd at 15% O₂ per Subpart JJJJ, Table 1).

[Emission standards from District Rules 1160 and 1302; 40 CFR 60, Subpart JJJJ]

9.The owner/operator of this Internal Combustion Engine shall ensure emissions Compliance with the requirements of Condition 8 using

following test procedures or any other method approved by USEPA and the APCO:

- a. Oxides of nitrogen - EPA Method 7E, or ARB Method 100;
- b. Carbon monoxide - EPA Method 10, or ARB Method 100;
- c. Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100;
- d. Volatile organic compounds - EPA Method 18, 25A or 25B, or ARB Method 100, and
- e. Determination of the exempt compounds, shall be performed in accordance with ASTM Test Method D 4457-85 (Solvents and Coatings) and be consistent with the provisions set forth in the Federal Register (FR, Vol. 56, No. 52, March 18, 1991).

Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies a specific compound or compounds from the broad classes of perfluorocarbons listed in 40 CFR 51.100(s)(1) as being present in the product or process. When such compounds are identified, the facility shall provide the test method to determine the amount(s) of the specific compound(s).

[Derived from 40 CFR 60 Subpart JJJJ and District Rule 1160]

10. The owner or operator of this Internal Combustion Engine equipped with Emission Control Equipment shall:

(i) Install, operate, and maintain in calibration, the following monitoring equipment, as approved by the APCO:

- a. Continuous measurement and recording of Emissions control System Operating Parameters;
- b. Continuous measurement and recording of elapsed time of operation, and,
- c. An Enhanced Emissions Monitoring Device.

(ii) The owner/operator shall conduct an initial performance test within 180 days of engine startup, thereafter Emission Compliance shall be verified at least once in every twelve (12) month period by an emissions compliance test.

a. Testing frequency may be reduced per the following provisions:

1. If a compliance test demonstrates compliance with the provisions of this rule, the frequency of the compliance test may be extended to once every twenty (24) months.

2. Failure of a compliance test or failure to complete the compliance test within the required frequency resets the compliance test frequency to at least once in every twelve (12) month period.

b. At a minimum, emissions compliance testing shall be conducted for NOX, VOC, CO and oxygen (O₂) levels in compliance with the provisions of the District's Compliance Test Procedural Manual.

[District Rule 1160]

11. The owner/operator must provide a written performance test plan or protocol at least thirty days prior to the test date. The owner/operator must conduct all required compliance/performance tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/performance test date so that an observer may be present. The final compliance/performance test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/performance test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[40 CFR 60.4243(b)(2)(ii); District Rule 1160(E)(1)(d)]

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]