



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B014551

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2024

OWNER OF OPERATOR (Co.#2826)

Salud Organics, Inc.
P.O. Box 10007
Newport Beach, CA 92658

EQUIPMENT LOCATION (Fac.#4240)

Salud Organics, Inc.
17319 Muskrat Avenue
Adelanto, CA 92301

Description:

NATURAL GAS IC ENGINE, CANNABIS consisting of: A prime use Rich-burn spark ignition internal combustion engine, driving a generator used to provide power to this facility. Engine is not EPA certified Year of Manufacture 2012; Exhaust flow is approximately 6391 ACFM at 819 degrees Fahrenheit; Stack Height 22 Feet; Stack Diameter 0.83 Feet Equipment elevation is 2931 feet above sea level.

One Siemens, NG fired internal combustion engine Model No. SGE - 56SL and Serial No. 330.869, After Cooled, Air-To-Fuel Ratio Controller, Direct Injected, Electronic Control Module, Turbo Charged, Three-Way Catalyst (also NSCR), producing 1431 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 9.6 MMBtu/hr. This equipment powers a Siemens Generator Model No. TBD and Serial No. TBD, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	5.9E-01	lbs/MMBtu
NOx	3.28E-01	lbs/MMBtu
PM10	6.6E-03	lbs/MMBtu
PM2.5	6.6E-03	lbs/MMBtu
SOx	5.6E-04	lbs/MMBtu
VOC	2.3E-01	lbs/MMBtu

CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine and its associated control device (Non-SCR) air/fuel ratio controller shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound

Fee Schedule: 1 (d) Rating: 1431 bhp SIC: 191 SCC: 20200253 Location/UTM(Km): 458E/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.

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

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.

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

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, District Rule 1160 - Internal Combustion Engines, and these permit conditions. In the event of conflict, the more stringent requirements shall govern.

[District Rule 431 and 1302]

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

[District Rule 431 and 1302; 40 CFR 60.4243]

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 1160(E)(1)(b)(i)(b); 40 CFR 60.4237]

5.An 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.

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

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. Daily, Monthly, and rolling twelve month operation in terms of total hours (from the engine hour timer);
- b. Monthly fuel usage in cubic feet or therms;
- c. Records of all maintenance and repair actions performed on the engine, and the its associated control device;
- d. Results of all engine source tests as required in conditions #8; and
- e. Results of all engine inspections as required in Condition #13.

[District Rule 1160(E)(1)(a)(i); 40 CFR 60.4243(b)(2)(i) and 60.4245(a)(2)]

7.The owner/operator must comply with the following emission standards, as referenced below, over the entire life of the engine. Compliance must be determined in accordance with the performance test methods and procedures specified in 40 CFR 60.4244 and Table 1 to Subpart JJJJ.

Maximum Allowed Emission Standards:

- a. NOx: 50 ppmvd at 15% O₂;
- b. CO: 2.0 g/bhp-hr, or 270 ppmvd at 15% O₂, and
- c. VOC 0.7 g/bhp-hr, or 60 ppmvd at 15% O₂

Note: Emission standards are from Table 1 to Subpart JJJJ of Part 60 except NOx which is limited to 50 ppmvd per District Rule 1160 for Rich Burn Spark-Ignited Internal Combustion Engines

[District Rule 1160(C)(a)(i); 40 CFR Part 60.4233(e)]

8.The owner/operator must conduct an initial performance test within 180 days of engine startup, and conduct subsequent performance testing every 12 months, thereafter to demonstrate compliance with condition 7. If a compliance test demonstrates compliance with condition 7, the testing frequency may be extended to once every 24 months. Failure of a compliance test, or failure to complete the test within the required frequency, resets the compliance test frequency to once every 12 months.

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

9.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.

[District Rule 1160; 40 CFR 60.4243(b)(2)(i)]

10.Pursuant to District Rule 1160, the owner/operator shall perform compliance testing in accord with the 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.
- 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).

[District Rule 1160]

11.This engine shall not operate for more than 2555 hours in any consecutive 12 month period. Additionally, this unit shall not operate more than 7 hours per day (midnight to midnight). Before these limitations can be increased, the facility is required to submit to the District an application to modify the permit, which may trigger BACT review and may necessitate a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.

[District Rules 1302, 1303, and 1320]

12.The owner or operator of this Internal Combustion Engine shall Conduct inspections, whichever is the more frequent of, at least once every calendar quarter; or, after every 2,000 hours of engine operation.

a. An inspection includes any testing, maintenance, and/or other procedures that ensure this Internal Combustion engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of this rule. Each inspection shall include the following:

1. Date.
2. Records of testing, as applicable.
3. Records of maintenance.

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

13.The owner/operator shall 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.

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

14.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]