



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B014800

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: MARCH 2024

OWNER OF OPERATOR (Co.#2911)

New Genesis Corp.
P.O. Box 10007
Newport Beach, CA 92658

EQUIPMENT LOCATION (Fac.#4327)

New Genesis Corp.
17323 Muskrat Ave Unit 4
Adelanto, CA 92301

Description:

NATURAL GAS IC ENGINE, GENERATOR (CANNABIS) consisting of: A prime use lean-burn spark ignition internal combustion engine, driving a generator used to provide power to this facility. This 1431 bhp uncertified engine was manufactured in 2012. Exhaust flow is approximately 27422 ACFM at 819 degrees Fahrenheit. Equipment elevation is 2926 feet above sea level.

One Siemens, NG fired internal combustion engine Model No. SGE-56SL and Serial No. 330.874, Four-Stroke Lean Burn, Spark-Ignited, producing 1431 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 9.599 MMBtu/hr. This equipment powers a Siemens Generator Model No. TBD and Serial No. TBD, rated at 1018 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	603.42	lbs/MMscf
NOx	335.23	lbs/MMscf
PM10	0.08	lbs/MMscf
PM2.5	0.08	lbs/MMscf
SOx	1.43	lbs/MMscf
VOC	234.66	gm/bhp-hr

CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine 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 (d) Rating: 1431 bhp SIC: 2833 SCC: 20200254 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

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

2.This unit shall only be fired on PUC regulated Pipeline quality natural gas fuel.
[District Rules 431 and 1302; 40 CFR 60.4243]

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 1160(E)(1)(a)(ii); 40 CFR 60.4237]

4.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. Monthly fuel usage in cubic feet or therms;
- b. Daily, monthly, calendar quarterly, and rolling twelve (12) month operation in terms of total hours;
- c. Engine maintenance plan, as required in 40 CFR 60.4243(a)(2)(iii);
- d. Records of all maintenance and repair actions performed on the engine, including date and description;
- e. Results of all engine source tests as required in condition #8; and,
- f. Results of all engine inspections as required in condition #9;

[District Rule 1160; 40 CFR Part 60, Subpart JJJJ]

5.This engine shall not operate for more than 2,255 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]

6.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), District Rule 1160 - Internal Combustion Engines and the BACT thresholds of District Rule 1303. In the event of conflict, the more stringent requirement(s) shall govern.

[District Rules 1160 and 1303; 40 CFR Part 60, Subpart JJJJ]

7.Pursuant to 40 CFR Part 60 Subpart JJJJ, and District Rule 1160, the owner/operator must comply with the following emission standards, as referenced below, over the entire life of the engine. Compliance must be demonstrated through an emissions compliance test. The compliance testing must be conducted for NOX, VOC, CO and oxygen (O2) levels in accordance with the provisions of the District's Compliance Test Procedural Manual. Emissions values must not exceed the following:

Maximum Allowable Emission Standards:

- a. NOx: 1.0 g/bhp-hr (40 CFR 60.4233(e));
- b. VOC: 0.70 g/bhp-hr (40 CFR 60.4233(e)); and
- c. CO: 2.0 g/HP-hr (40 CFR 60.4233(e))

[District Rule 1160; 40 CFR 60, Subpart JJJJ]

8.In order to demonstrate compliance with the emission standards outlined in condition 8, the owner/operator (o/o) shall conduct an initial source test within one hundred and eighty (180) days of startup of this operation. Subsequent performance testing, verifying continued compliance with this limitation, shall be conducted once in every 8,760 hours or 36 months, whichever comes first, thereafter. The testing shall be conducted in accordance with 40 CFR 60.4244.

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 1303; 40 CFR 60.4243(b)(2)(ii)]

9.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)]

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]