



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B015297

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: JULY 2025

OWNER OF OPERATOR (Co. #2829)

AMN, LLC
PO Box 1267
Anaheim, CA 92815

EQUIPMENT LOCATION (Fac. #4247)

BXL & ASC
17451 Raccoon Ave
Adelanto, CA 92301

Description:

NATURAL GAS IC ENGINE, GENERATOR (CANNABIS) consisting of: A prime use rich-burn spark ignition internal combustion engine, driving a generator used to provide power to this facility. This 154 bhp uncertified engine was manufactured in TBD. Exhaust flow is approximately 760 cfm at 1360 degrees Fahrenheit through a 6.4 ft stack with a 3.5 inch diameter exhaust outlet.

One General Motors, NG fired internal combustion engine Model No. 7.4L(T) and Serial No. TBD, Four-Stroke Rich Burn, Spark-Ignited, producing 154 bhp with 8 cylinders at 800 rpm while consuming a maximum of 1276 scf/hr. This equipment powers a MagneTek Generator Model No. MTG35 and Serial No. TBD, rated at 100 kW.

EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---------------|---------------|-----------|
| CO | 2.0 | gm/bhp-hr |
| NOx | 0.847 | gm/bhp-hr |
| PM10 | 0.004 | gm/bhp-hr |
| PM2.5 | 0.004 | gm/bhp-hr |
| SOx | 0.005 | gm/bhp-hr |
| VOC | 0.7 | gm/bhp-hr |

CONDITIONS:

1. This spark-ignited internal combustion engine shall be installed, operated and maintained in strict accordance with those

Fee Schedule: 1 (b) Rating: 154 bhp SIC: 191 SCC: 20200253 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

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.

[District Rule 204 and 1160; 40 CFR 60.4243]

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. Monthly and calendar year operation in terms of total hours;
- c. Engine maintenance plan, as required in 40 CFR 60.4243(a)(2)(ii);
- d. Records of all maintenance and repair actions performed on the engine, including date and description; and,
- e. Results of all engine compliance/performance tests as required in condition #9.

[District Rules 1160 and 1302; 40 CFR 60.4243 and 40 CFR 60.4245]

5.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]

6.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 compliance/performance 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 and 40 CFR 60.4244. Emissions values must not exceed the following:

Maximum Allowable Emission Standards:

- a. NOx: 50 ppmvd (District Rule 1160);
- b. VOC: 0.70 g/bhp-hr (40 CFR 60.4233(e)); and
- c. CO: 2.0 g/bhp-hr (40 CFR 60.4233(e)).

[NOx emission rate is from District Rule 1160, VOC and CO emission standards are from Table 1 to Subpart JJJJ of Part 60]

[District Rule 1160; 40 CFR Part 60.4233(e) and 60.4245(a)]

7.In order to demonstrate compliance with the emission standards outlined in condition 6, the owner/operator (o/o) shall conduct an initial compliance/performance test within one hundred and eighty (180) days of startup of this engine. The compliance/performance testing shall be conducted in accordance with the provisions of the District's Compliance Test Procedural Manual and 40 CFR 60.4244.

The owner/operator must provide a written compliance/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 and USEPA not later than sixty (60) days after the compliance/performance test date. All compliance/performance test notifications, protocols, and results must be submitted electronically to the District via reporting@mdaqmd.ca.gov. All compliance/performance test results must be submitted to USEPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the USEPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>).

[District Rule 1160(E)(1)(c)(ii) and (iii); 40 CFR 60.4245(f)]

8. In order to demonstrate continued compliance with the emission standards outlined in condition 6, the owner/operator (o/o) shall conduct subsequent compliance/performance testing once every 8,760 hours of operation or 60 months, whichever comes first. The compliance/performance testing shall be conducted in accordance with the provisions of the District's Compliance Test Procedural Manual and 40 CFR 60.4244.

The owner/operator must provide a written compliance/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 compliance/performance test date. All compliance/performance test notifications, protocols, and results must be submitted electronically to the District via reporting@mdaqmd.ca.gov.
[District Rule 1160(E)(1)(c)(iii)]

9. 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; 17 CCR 93400-93410; and 40 CFR 51, Subpart A]