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 E013723

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: JUNE 2027

OWNER OF OPERATOR (Co.#2566)

Tikun - Olam Adelanto LLC
16605 Koala Road
Adelanto, CA 92321

EQUIPMENT LOCATION (Fac.#3984)

Tikun-Olam Adelanto
16605 Koala Rd
Adelanto, CA 92301

Description:
NATURAL GAS IC ENGINE, EMERGENCY GENERATOR (CANNABIS) consisting of: A natural gas fueled emergency generator manufactured in 2019 under USEPA Family KGNXB14.22C1, equipped with a factory installed three-way catalyst. Exhaust flow is 2194 scfm at 1415 degrees Fahrenheit. Facility elevation is 2979 feet above sea level.

One Generac, NG fired internal combustion engine Model No. E14.2MSN343A3 (Nat Gas) and Serial No. G9191000047, Turbo Charged, After Cooled, Three-Way Catalyst (also NSCR), Air-To-Fuel Ratio Controller, Four-Stroke Rich Burn, Spark-Ignited, producing 460 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 3420 scf/hr. This equipment powers a Generac Generator Model No. SG300 and Serial No. 3004595200, rated at 300 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.375	gm/bhp-hr
NOx	0.045	gm/bhp-hr
NOx+NMHC	0.108	gm/bhp-hr
PM10	0.00	gm/bhp-hr
PM2.5	0.00	gm/bhp-hr
SOx	0.002	gm/bhp-hr
VOC	0.063	gm/bhp-hr

Fee Schedule: 7 (g) Rating: 460 device SIC: 191 SCC: 20100202 Location/UTM(Km): 458E/3823N

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.

Tikun - Olam Adelanto LLC
16605 Koala Road
Adelanto, CA 92321

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

CONDITIONS:

1. This certified, stationary, spark-ignited, internal combustion engine and its associated 3-way catalytic converter 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.
[40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, Subpart 60.4243; District Rule 1302]

2. This unit shall be fired on PUC-Regulated Pipeline Quality natural gas only.
[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 1302]

4. This unit shall be limited to emergency use only, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 100 hours per year for testing and maintenance, excluding emission compliance source testing. Time required for compliance source testing will not be counted toward the 100 hour per year limit.
[40 CFR 60.4243(d), District Rule 1302]

5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of two (2) 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. Date of each use and duration of each use (in hours);
b. Reason for use (testing & maintenance, emergency, required emission testing);
c. Calendar year operation in terms of fuel consumption in standard cubic feet or total hours; and
d. Maintenance and Repair actions on the engine, the catalytic converter, and the Air-to-Fuel Ratio Controller.
[40 CFR 60.4245]

6. The Air-to-Fuel Ratio Controller shall be used in conjunction with the operation of the three-way catalyst, 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]

7. This engine shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[District Rule 1302]

8. This engine may operate in response to notification of impending involuntary rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302]

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, and 40 CFR 51, Subpart A]