



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

E015034

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: APRIL 2025

OWNER OF OPERATOR (Co. #3025)

StratosFuel, Inc.
P.O. Box 1446
Riverside, CA 92502

EQUIPMENT LOCATION (Fac. #4460)

Mojave River Hydrogen Facility
TBD
Victorville, CA 92394

Description:

NATURAL GAS IC ENGINE, EMERGENCY GENERATOR consisting of: A natural gas fueled emergency generator manufactured in TBD under USEPA Family TBD, equipped with a factory installed catalyst. Exhaust flow is approximately 3186 scfm, at approximately 1380 degrees Fahrenheit through an approximately 6 foot high by 0.33 foot diameter exhaust stack.

CONDITIONS:

1. This certified, stationary, spark-ignited, internal combustion engine and its associated catalyst 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.

[District Rule 204; 40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, Subpart 60.4243]

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

Fee Schedule: 7 (g) Rating: 1 device SIC: 2813 SCC: 20100202 Location/UTM(Km): 466E/3827N

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

interrupted. In addition, this unit shall be operated no more than 7 hours per day and 100 hours per year for testing and maintenance. Please note: There are no limitations on emergency use.
[District Rule 1303; 40 CFR 60.4243(d)]

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 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. 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 and the catalyst.

[District Rule 1320; 40 CFR 60.4245]

6. This engine and catalyst shall be maintained and operated according to the manufacturer's emission-related instructions at all times in order to minimize emissions and maintain its status as a certified stationary internal combustion engine.

[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. The entire facility shall not emit any of the Regulated Pollutants listed below in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

- a. Oxides of Nitrogen (NO_x): 20 tons per consecutive twelve (12) month period, measured as NO₂;
- b. Oxides of Sulfur (SO_x): 20 tons per consecutive twelve (12) month period;
- c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve (12) month period;
- d. Carbon Monoxide (CO): 80 tons per consecutive twelve (12) month period;
- e. Hydrogen Sulfide (H₂S): 8 tons per consecutive twelve (12) month period;
- f. Lead (Pb): 0.48 tons per consecutive twelve (12) month period;
- g. Particulate Matter 10 microns and less (PM₁₀): 14.5 tons per consecutive twelve (12) month period;
- h. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
- i. All HAPs combined: 20 tons per consecutive twelve (12) month period.

Compliance with these limits shall be demonstrated through the submission of a facility-wide Comprehensive Emission Inventory (CEI) for all emitted Regulated Air Pollutants. Exceedance of these emission limits may trigger offsets, BACT, National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 63, and/or require submission of a Title V permit application.

[District Rules 1302 and 1303]

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]