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

E015375

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: SEPTEMBER 2027

OWNER OF OPERATOR (Co.#703)

Liberty Utilities, Apple Valley
21760 Ottawa Road
Apple Valley, CA 92307

EQUIPMENT LOCATION (Fac.#4621)

Liberty AV - Office Building Generator
21760 Ottawa Road
Apple Valley, CA 92308

Description:
DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A Certified Tier 3 diesel engine, USEPA family NCPXL12.5NYS, manufactured in 2022 and equipped with factory-installed emission control devices. Exhaust flow is approximately 3044 acfm, at 1256 degrees Fahrenheit through a 10 foot high by 0.5 foot diameter exhaust stack. Facility elevation is 2958 feet above MSL

One Perkins, Diesel fired internal combustion engine Model No. 2206D-E13TAG3 and Serial No. TGDF5332N16260J, Direct Injected, Turbo Charged, After Cooled, Air-To-Fuel Ratio Controller, Smoke Puff Limiter, Compression-Ignited, producing 619 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 27.8 gal/hr. This equipment powers a Generac Generator Model No. SD400 and Serial No. 3014318267, rated at 400kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.7897	gm/bhp-hr
NOx	2.7345	gm/bhp-hr
NOx+NMHC	2.8784	gm/bhp-hr
PM10	0.1066	gm/bhp-hr
PM2.5	0.1056	gm/bhp-hr
SOx	0.0043	gm/bhp-hr
VOC	0.1439	gm/bhp-hr

Fee Schedule: 7 (g) Rating: 619 device SIC: 4941 SCC: 20100102 Location/UTM(Km): 482E/3820N

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.

Liberty Utilities, Apple Valley
Attn: Accounts Payable

Litchfield Park, AZ 85340

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

CONDITIONS:

1. This certified Tier 3 stationary compression-ignited internal combustion engine, and any associated air pollution control equipment, 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 pollutants. 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 60.4211(a)]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d)(1)]

3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:
a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
b. A cetane index or aromatic content, as follows:
(i) A minimum cetane index of 40; or,
(ii) A maximum aromatic content of 35 volume percent.
[17 CCR 93115.5(a); 40 CFR 60.4207(b); 40 CFR 1090.305]
Note: CARB certified ULSD fuel satisfies these requirements per 17 CCR 93115.5(a).

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) calendar 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. Date and duration of each use (in hours);
b. Reason for each use (testing & maintenance, emergency, required emission testing);
c. Monthly and rolling 12 month operating hour log as determined by the installed hour meter;
d. Calendar year operating hours as determined by the installed hour meter or fuel consumption (in standard cubic feet or gallons) to assist in CEI calculations; and,
e. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst.
[District Rule 204; District Rule 1160(D)(2); 17 CCR 93115.10(f)]

5. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this engine shall be operated no more than 6 hours per day and no more than 20 hours in any rolling 12 month period for testing and maintenance. Please note there are no limitations on emergency use.
[District Rule 204; District Rule 1160(D)(1)(d); District Rule 1303(A): Daily operation limit; District Rule 1320: Annual operation limit; 17 CCR 93115.6(a)(3)(A)(1)(c)]

6. This equipment may operate in response to an impending 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 may be operated no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17 CCR 93115.6(a)(2)]

7. This equipment 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.
[17 CCR 93115.6(c)(1)(C)]

8. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.
[District Rule 1302; 17 CCR 93115; 40 CFR 60, Subpart IIII]

9. This generator is intended to replace the engine permitted under MDAQMD Permit E008443 and may not be operated concurrently with the older permitted unit. The generator replaced by this Permit Unit may not be stored as backup and must be disconnected from site electrical mains prior to the startup of this Permit Unit.
[District Rule 204]

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; 17 CCR 93400 et seq.; 40 CFR 51, Subpart A]