MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

PERMIT TO OPERATE

E014324

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: MARCH 2027

OWNER OF OPERATOR (Co.#2319)

Phelan Pinon Hills CSD
4176 Warbler Rd.
Phelan, CA 92371

EQUIPMENT LOCATION (Fac.#3692)

PPHCSD Oasis Yard
12336 Oasis Rd.
Pinon Hills, CA 92372

Description:
DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A Certified Tier 2 diesel engine, USEPA family 4DDXL14.0VLD, manufactured in 2004. Exhaust flow approximately TBD acfm, at TBD degrees Fahrenheit through a 10.0 foot high by 4 inch diameter exhaust stack. Equipment is located at an elevation of 3591 feet above MSL. *PLEASE NOTE: This portable emergency engine meets the more stringent requirements of the Stationary ATCM. While the engine MAY be used at various locations, the engine is not required to move from its footprint on an annual basis.

One Detroit Diesel, Diesel fired internal combustion engine Model No. 6063HK35 and Serial No. 06R0853859, After Cooled, Air-To-Fuel Ratio Controller, Electronic Control Module, Turbo Charged, producing 665 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 25.43 gal/hr. This equipment powers a Generac Generator Model No. 433RSL4021 and Serial No. LM-246273-0305, rated at 400 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.2677	gm/bhp-hr
NOx	4.1797	gm/bhp-hr
NOx+NMHC	4.3996	gm/bhp-hr
PM10	0.1268	gm/bhp-hr
PM2.5	0.1255	gm/bhp-hr
SOx	0.0036	gm/bhp-hr

Fee Schedule: 7 (g) Rating: 1 device SIC: 4941 SCC: 20100102 Location/UTM(Km): 440E/3814N

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.

Phelan Pinon Hills CSD
4176 Warbler Rd.
Phelan, CA 92371

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

Emission Type	Est. Max Load	Unit
VOC	0.220	gm/bhp-hr

CONDITIONS:

1. This certified Tier 2 stationary compression-ignited internal combustion engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord 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 63.6603(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)]

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 80.510(b), and 40 CFR 63.6604(b)]
Note: Use of CARB certified ULSD fuel satisfies these requirements.

4. 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 4 hours per day and 15 hours per year for testing and maintenance.
[District Rule 1320 (hour limiting); 17 CCR 93115.6(a)(3)(A)(1)(c)]

5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
a. Date(s) of each use and hours of operation;
b. Reason for use (regular testing & maintenance, NFPA testing & maintenance, emergency, etc.);
c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) and/or total hours (both emergency and non-emergency use, classified as described in b. above);
d. Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
e. Maintenance performed on this equipment.
[17 CCR 93115.10(f)]

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 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following compliance requirements:
The owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:
a. Change oil and oil filter every 500 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and
d. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply.
*Maintenance may be delayed if shutting down the engine would pose an unacceptable risk.
[40 CFR 63.6603(a); 63.6640(a); 40 CFR 63.6625 (h); 40 CFR 63.6655]

9. 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]

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]