



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

B015555

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. #3219)

Sinotec USA, LLC
8787 Caliente Road
Hesperia, CA 92344

EQUIPMENT LOCATION (Fac. #4702)

Sinotec USA, LLC - Hesperia
8787
Hesperia, CA 92344

Description:

NATURAL GAS IC ENGINE, GENERATOR consisting of: Year of Manufacture 2022; Stack Height 12.75 Feet; Stack Diameter TBD Feet; Exhaust temperature 1232 degrees F; Exhaust Flow Rate 5449 ACFM; Engine exhausts through a Genrac Model Critical Silencer/Catalyst, Serial Number TBD non-SCR Emission Control Catalyst. Engine emission rate details obtained from Manufacturer Specifications. Equipment elevation is 3658 feet above sea level.

One Generac, NG fired internal combustion engine Model No. MG750 and Serial No. 3012630611, Three-Way Catalyst (also NSCR), Four-Stroke Rich Burn, After Cooled, Spark-Ignited, Turbo Charged, producing 1118 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 8370 scf/hr. This equipment powers a Generac Generator Model No. K0912124Y22 and Serial No. TBD, rated at 750 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.92	gm/bhp-hr
NOx	0.150	gm/bhp-hr
PM10	0.032	gm/bhp-hr
PM2.5	0.032	gm/bhp-hr
SOx	2.82E-04	gm/bhp-hr
VOC	0.180	gm/bhp-hr

Fee Schedule: 1 (d)

Rating: 1118 bhp

SIC: 3674

SCC: 20100202

Location/UTM(Km):
462E/3808N

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.

Sinotec USA, LLC
8787 Caliente Road
Hesperia, CA 92344

By: **COPY**
Brad Poiriez
Executive Director

CONDITIONS:

1. This stationary, spark-ignited, internal combustion engine and its associated control device (non-SCR) 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 1302; 40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, subpart 60.4243]

2. This engine shall comply with all applicable rules and regulations including 40 CFR 60, Subpart JJJJ - New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines, District Rule 1160 - Internal Combustion Engines, and these permit conditions. In the event of conflict, the more stringent requirements shall govern.

[District Rules 431 and 1302]

3. This unit shall only be fired on natural gas fuel.

[District Rules 431 and 1302]

4. 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)(b)(i)(b)]

5. The owner/operator shall maintain an operations and inspection 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. Monthly fuel usage in cubic feet or therms;

b. Monthly and rolling twelve month operation in terms of total hours (from the engine hour timer);

c. Engine and emission control maintenance plan as required by 40 CFR 60 Subpart JJJJ;

d. Records of all inspection, maintenance and/or repair actions performed on the engine or associated air pollution control equipment, including date and description.

[District Rule 1160(E)(1)(a)(i); 40 CFR 60.4243(b)(2)(i) and 60.4245(a)(2)]

6. The owner or operator of this Internal Combustion Engine shall conduct inspections at least once every calendar quarter; or, after every 2,000 hours of engine operation, whichever is the more frequent. An inspection includes any testing, maintenance, and/or other procedures that ensure this Internal Combustion engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of this rule.

[District Rule 1160 (E)(1)(a)]

7. Emissions from this facility, including all stationary and portable emissions, may not exceed the following emission limits, based on a rolling 12 month summary:

a. NO_x - 20 tons/year, verified by compliance tests and hours of operation,

b. VOC as CH₄ - 20 tons/year, verified by compliance tests and hours of operation,

c. PM₁₀ - 12 tons/year, verified by compliance tests and hours of operation,

d. Single Federal Hazardous Air Pollutant (HAP) - 9.9 ton/year, verified by emission calculations, and

e. All HAPs - 20 tons/year, verified by emission calculations.

[District Rule 1303]

8. 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.; and 40 CFR 51, Subpart A]