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

E015483

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: FEBRUARY 2027

OWNER OF OPERATOR (Co.#2768)

Amazon.com Services LLC
PO Box 80842
Seattle, WA 98108

EQUIPMENT LOCATION (Fac.#4656)

Amazon.com Services LLC - CAZ5
11500 Phelan Road
Hesperia, CA 92345

Description:
DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A Certified Tier 2 diesel engine, USEPA family SCPXL18.1NYS, manufactured in 2025 and equipped with factory-installed emission control devices. Exhaust flow is approximately 6397 acfm, at 918 degrees Fahrenheit through a 6.2 foot high by 0.5 foot diameter exhaust stack. Facility elevation is 3571 feet above MSL.

One CAT/Perkins, Diesel fired internal combustion engine Model No. 2806C-E18TTAG7 and Serial No. TBD, Four-Stroke Lean Burn, Compression-Ignited, Direct Injected, Electronic Control Module, Inter Cooled, Turbo Charged, producing 1112 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 49.7 gal/hr. This equipment powers a Generac Generator Model No. SD/MD750 and Serial No. TBD, rated at 750kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.597	gm/bhp-hr
NOx	4.109	gm/bhp-hr
NOx+NMHC	4.325	gm/bhp-hr
PM10	0.0820	gm/bhp-hr
PM2.5	0.0812	gm/bhp-hr
SOx	0.00428	gm/bhp-hr
VOC	0.216	gm/bhp-hr

Fee Schedule: 7 (g) | Rating: 1112 device | SIC: 4225 | SCC: 20100102 | Location/UTM(Km): 462E/3809N

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.

Amazon.com Services LLC
PO Box 80842

Seattle, WA 98108

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

CONDITIONS:

1. The following two existing generators under District Permits E015482 and E015483 must achieve compliance with Tier 4 Final emission standards by July 31st, 2027. To be deemed compliant, each engine below must be replaced by a 150kW Tier 4 Final Certified generator, as agreed upon by the Applicant and the District:
a. E015482: Tier 2 Certified, Generac SD/MD 600 powered by CAT/Perkins 2806C-E18TAG3, EPA Family Name SCPXL18.1NYS; and,
b. E015483: Tier 2 Certified, Generac SD/MD 750 powered by CAT/Perkins 2806C-E18TTAG7, EPA Family Name SCPXL18.1NYS.
NOTE: Prior to the replacement of E015482 and E015483 this Facility must submit a Permit Modification Application and all necessary manufacturer specification sheets to the District for evaluation, at least 60 days prior to installation of the replacement generators. Subsequently, the permits will be modified and reissued. Compliance with all requirements of this condition will be assessed on or after August 1st, 2027.
OPERATION PRIOR TO COMPLIANCE DATE: The District is allowing operation of the certified Tier 2 engines under District Permits E015482 and E015483 until the compliance deadline of July 31st, 2027 to accommodate scheduling, delivery, and installation of replacement engines. After this date, if compliance is not satisfactorily demonstrated, the engines under the District Permits listed above are prohibited from operating for any purpose until compliance is achieved.
[District Rule 204; District Rule 1303(A)]

2. 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 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)]

3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[District Rule 1160(E)(1)(a)(ii); 17 CCR 93115.10(d)(1)]

4. 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.
[District Rule 431; 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).

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) 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 (defined as 12 consecutive months prior to the current day) operating hour log readings 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;
e. Records of all maintenance and repair actions performed on the engine and any other emissions control equipment; and,
f. Records of fuel sulfur content (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).
[District Rule 204; District Rule 1160(D)(2); 17 CCR 93115.10(f)]

6. This unit shall be limited to use for emergency power, defined as in response to a fire, flood, or when commercially available power has been interrupted. This unit shall be operated no more than 2 hours per day (midnight to midnight) and no more than 50 hours in any rolling 12 month period (defined as 12 consecutive months prior to the current day) for testing and maintenance, excluding compliance source testing. There is no limit on emergency use and emergency hours do not count toward the 50 hour limit.
[District Rule 204; District Rule 1160(D)(1)(d); 17 CCR 93115.6(a)(3)(A)(1)(c): Annual Operation Limit]

7. 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 provider advises that the outage is no longer imminent or in effect.
[17 CCR 93115.6(a)(2)]

8. 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)]

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; 17 CCR 93115; 40 CFR 60, Subpart IIII]

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]