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 E015484

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 FIRE PUMP consisting of: A Certified Tier 3 diesel engine, USEPA family SCPXL12.5NYS, manufactured in 2025 and equipped with factory-installed emission control devices. Exhaust flow is approximately 1031 acfm, at 744 degrees Fahrenheit through a 10 foot high by 0.67 foot diameter exhaust stack. Facility elevation is 3571 feet above MSL.

One Clarke, Diesel fired internal combustion engine Model No. C13H0-UFAD22-D and Serial No. TBD, Four-Stroke Lean Burn, Compression-Ignited, Direct Injected, Electronic Control Module, Inter Cooled, Turbo Charged, producing 311 bhp with 6 cylinders at 2100 rpm while consuming a maximum of 16.9 gal/hr. This equipment powers a Aurora Fire Pump Model No. 10-471-16A and Serial No. TBD, rated at 3000gpm at 100psi.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.013	gm/bhp-hr
NOx	2.684	gm/bhp-hr
PM10	0.119	gm/bhp-hr
PM2.5	0.118	gm/bhp-hr
SOx	0.0052	gm/bhp-hr
VOC	0.082	gm/bhp-hr

Fee Schedule: 7 (g) Rating: 311 device SIC: 4225 SCC: 20300101 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. 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.
[District Rule 1160(E)(1)(a)(ii); 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.
[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).

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 (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)]

5. This use of this engine shall be limited to pumping fire suppression water in the event of a fire. This unit shall be operated no more than 13 hours per day (midnight to midnight) nor more than 50 hours per any rolling 12 month period (defined as 12 consecutive months prior to the current day) for testing and maintenance. There is no limit on emergency use and emergency hours do not count toward the 50 hour limit. Furthermore, hours accrued to comply with the testing requirements of National Fire Protection Association (NFPA) 25 or other source testing do 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]

6. The hour limits indicated in Condition #5, above, do not apply to in-use emergency fire pump assemblies that are driven directly by stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2002 edition, which is incorporated herein by reference.
[17 CCR 93115.3(n)]

7. 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]

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.; 40 CFR 51, Subpart A]