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 B015379

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: OCTOBER 2026

OWNER OF OPERATOR (Co.#1535)

Boeing Company - Victorville Ops
18200 Phantom West, Ste 678-2
Victorville, CA 92394-7911

EQUIPMENT LOCATION (Fac.#2607)

Boeing - Victorville
18200 Phantom West, Ste 678-2
Victorville, CA 92394-7911

Description:
DIESEL IC ENGINE, PORTABLE* GROUND POWER UNIT (GPU, Unit no. 800-44-3427) consisting of: A certified Tier 4f diesel engine, EPA Family MCEXL04.5AAK, manufactured in 2016 and equipped with factory-installed emission controls. Exhaust flow is approximately 1123 scfm at 831 degrees Fahrenheit through a 9.58 foot tall by 5 inch diameter stack: *Please note, this equipment may be operated at various locations at this facility, however emissions comply with the stationary requirements of 17 CCR 93115 and 40 CFR 60, Subpart IIII.

One John Deere, Diesel fired internal combustion engine Model No. 6068HFG09 and Serial No. PE6068U116886, Ammonia Oxidation Catalyst, Charge Air Cooler, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Oxidation Catalyst, Selective Catalytic Reduction, Selective Catalytic Reduction, Turbo Charged, producing 322 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 12.5 gal/hr. This equipment powers a MQ Power Ground Power Unit Model No. DCA220SSJU4F and Serial No. 8011763, rated at 220 kVA.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.0075	gm/bhp-hr
NOx	0.0447	gm/bhp-hr
PM10	0.0149	gm/bhp-hr
PM2.5	0.0149	gm/bhp-hr
SOx	0.0037	gm/bhp-hr

Fee Schedule: 1 (c) Rating: 322 bhp SIC: 3721 SCC: 20100102 Location/UTM(Km): 473E/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.

Boeing Company - Victorville Ops
4000 Lakewood Blvd.

Long Beach, CA 90808

By: **COPY**
Brad Poiriez
Executive Director

Emission Type	Est. Max Load	Unit
VOC	0.0447	gm/bhp-hr

CONDITIONS:

1. This certified stationary compression-ignited internal combustion engine and its associated emission control systems 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 air 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 204; 40 CFR 60.4211(a)]

2. This engine shall not be operated unless all of the following emission control systems are properly functioning:
a. Oxidation Catalyst;
b. Turbocharger;
c. Electronic Control Module;
d. Periodic Trap Oxidizer;
e. Selective Catalytic Reduction System; and,
f. Ammonia Oxidation Catalyst.

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[District Rule 1302]

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:
1. A minimum cetane index of 40; or,
2. A maximum aromatic content of 35 volume percent.
[17 CCR 93115.5(a); 40 CFR 80.510(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements. R99 renewable diesel is classified as Ultra Low Sulfur Diesel.

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

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) 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. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
b. Date of each maintenance action or repair on any equipment noted in Condition #2;
c. Description of each maintenance action or repair on any equipment noted in Condition #2;
d. Fuel sulfur concentration as required by condition #3 (you may use the supplier's certification of sulfur content if it is maintained as part of this log);
e. Calendar year operating hours as determined by the installed hour meter (to assist in CEI calculations); and,
f. Date, description and results of all inspections and source testing conducted on the engine as required by condition #9.
[District Rules 1160, 1302 and 1320; 17 CCR 93115]

6. This engine may be relocated throughout the Southern California Logistics Airport (SCLA) in support of operations without prior notification being sent to the District, but shall not be used within 1000 meters of any K-12 school, residence, hospital, or other sensitive receptor location. Sensitive receptor locations include, but are not limited to, hospitals, schools, and day care centers, and such other locations as the District board or California Air Resources Board may determine.
[District Rule 204 and H&S Code 42705.5(a)(5)]

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]

8. The owner/operator must comply with the emission standards under District Rule 1160(C)(1) over the entire life of the engine. Compliance may be demonstrated by meeting certified manufacturer emission rates, pursuant to (E)(1)(c)(i).

Maximum Allowable Emission Standards:
a. NOx: 80 ppmvd corrected to 15% O2;
b. VOC: 106 ppmvd corrected to 15% O2; and
c. CO: 4500 ppmvd corrected to 15% O2.

Documentation from the manufacturer stating that the engine is certified to meet the emission standards must be retained on-site (or at a central location) and shall be provided to District, State and Federal personnel upon request.
[District Rule 1160]

9. This engine must be inspected at least once each quarter or after every 2,000 hours of operation, whichever is more frequent. An inspection includes any testing, maintenance, and/or other procedures that ensure the engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of District Rule 1160. Records of such inspections must include the following information as a minimum:
a. Inspection date;
b. Records of testing, as applicable; and
c. Records of maintenance.
[District Rule 1160(E)(1)(a)]

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.; and 40 CFR 51, Subpart A]