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 B015689

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.#2875)

United One Adelanto, LLC
10150 Apache Road
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac.#3891)

United One Adelanto, LLC
10150 Apache Road
Adelanto, CA 92301

Description:
DIESEL IC ENGINE, GENERATOR consisting of: Two identical Certified Tier 4 Final diesel engines, USEPA family NCEXL15.0AAS manufactured in 2022. Each engine has an exhaust flow approximately 3,002 acfm, at 835 degrees Fahrenheit through a 13.5 feet high by 0.66 feet diameter exhaust stack. Equipment is located at an elevation of 2933 feet above MSL.

One Cummins, Diesel fired internal combustion engine Model No. X15-G17 TWIN and Serial No. TBD, TBD, Ammonia Oxidation Catalyst, Charge Air Cooler, Electronic Control Module, Selective Catalytic Reduction, Selective Catalytic Reduction, Turbo Charged, producing 755 bhp with 6 cylinders at 1600 rpm while consuming a maximum of 30.5 gal/hr. This equipment powers a Cummins Generator Model No. C1000D6RE and Serial No. TBD, rated at 900 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.1	gm/bhp-hr
NOx	0.13	gm/bhp-hr
PM10	0.01	gm/bhp-hr
PM2.5	0.01	gm/bhp-hr
SOx	0.004	gm/bhp-hr
VOC	0.05	gm/bhp-hr

Fee Schedule: 1 (d) Rating: 1510 bhp SIC: 191 SCC: 20100102 Location/UTM(Km): 459E/3825N

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.

United One Adelanto, LLC
10150 Apache Road
Adelanto, CA 92301

By: COPY
Brad Poiriez
Executive Director

UNOFFICIAL

CONDITIONS:

1. This certified Tier 4 Final 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 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. 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 204; 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.
[17 CCR 93115.5(a); 40 CFR 60.4207(b); and 40 CFR 1090.305]
Note: Use of CARB certified ULSD fuel satisfies these requirements.

4. The engines in this permit shall not be operated unless all of the following emission control systems are properly functioning:
a. Ammonia Oxidation Catalyst;
b. Turbocharger
c. Electronic Control Module;
d. Selective Catalytic Reduction System; and
e. Charge Air Cooler
Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[District Rule 1302; 40 CFR 60.4211]

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. Date and duration of each use (in hours);
b. Monthly and consecutive 12 month total hours of operation, as indicated by the hour meter readings;
c. Records of all inspection, maintenance and/or repair actions performed on the engine or associated air pollution control equipment, including date and description on any equipment noted in Condition #4;
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. Any corrective action taken after the DPF backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached;
f. Quarterly fuel use on a calendar quarter basis; and,
g. Calendar year operating hours as determined by the installed hour meter (to assist in CEI calculations).
[District Rule 204; District Rule 1160, 17 CCR 93115.10(a)(3)(C) and (D); 40 CFR 60.4214(c)]

6. The owner/operator of this Internal Combustion Engine shall conduct inspections, whichever is the more frequent of, at least once every calendar quarter; or, after every 2,000 hours of engine operation. 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. This permit unit shall not exceed 4,000 hours of operation in any 12 consecutive month period.
[District Rule 1320 and 1520]

8. 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; Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines; 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS)]

9. This unit shall not operate within a 1,000 feet of the outer boundary of any K-12 school. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met.
[H&S Code 42301.6; District Rule 204]

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]