



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

**INACTIVE**

B013731

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: SEPTEMBER 2022**

### **OWNER OF OPERATOR (Co.#1584)**

ComAV Technical Services LLC  
18438 Readiness Street  
Victorville, CA 92394

### **EQUIPMENT LOCATION (Fac.#4035)**

ComAV - Horseshoe  
18438 Readiness Street  
Victorville, CA 92394

#### **Description:**

DIESEL IC ENGINE, PORTABLE GROUND POWER UNIT (GPU) consisting of: A certified Tier 4f diesel engine, EPA Family KCEXL08.9AAK, manufactured in 2019 and equipped with factory-installed emission controls. Exhaust flow is approximately 1570 ACFM at 990 degrees Fahrenheit through a 6 foot tall by 4 inch diameter stack:

One Cummins, Diesel fired internal combustion engine Model No. QSB 6.7 and Serial No. 74462344, Turbo Charged, Selective Catalytic Reduction, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Electronic Control Module, Compression-Ignited, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, Charge Air Cooler, producing 272 bhp with 6 cylinders at 2100 rpm while consuming a maximum of 13.9 gal/hr. This equipment powers a TLD America Ground Power Unit Model No. GPU-412-E-CUP and Serial No. T61247, rated at 140 kVA.

#### **EMISSIONS RATES**

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 0.03          | gm/bhp-hr |
| NOx           | 0.127         | gm/bhp-hr |
| PM10          | 0.015         | gm/bhp-hr |
| PM2.5         | 0.015         | gm/bhp-hr |
| SOx           | 0.005         | gm/bhp-hr |
| VOC           | 0.015         | gm/bhp-hr |

#### **CONDITIONS:**

1. This 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 contaminants. Unless otherwise

Fee Schedule: 1 (c)

Rating: 272 bhp

SIC: 4581

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.

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By: **COPY**  
**Brad Poiriez**  
Air Pollution Control Officer

noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.  
[District Rule 1302]

2. This engine and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This equipment must be moved for a valid business purpose annually.  
[Title 17 CCR 93116.2(bb)] [District Rules 1302, 1303, and 1320]

3. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.  
[Title 17 CCR 93116.3(a)]?  
Note: Use of CARB certified Ultra Low Sulfur Diesel (ULSD) fuel meets this requirement.

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 93116.4(c)(2)(A)]

5. This engine shall not operate for more than 4,000 hours in any consecutive 12 month period.  
[District Rules 1302 and 1320]

6. This engine shall not be operated unless all of the following emission control systems are properly functioning:

- a. Ammonia Oxidation Catalyst;?
- b. Diesel Oxidation Catalyst;
- c. Exhaust Gas Recirculation System;
- d. Electronic Control Module; and?
- e. Selective Catalytic Reduction System;

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

7. 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. Initial hour meter reading upon arrival at the facility and final hour meter reading upon departure from the facility;?
- b. Weekly, monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) or total hours;?
- c. Results of all inspections, maintenance, and repair actions; and ?
- d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Title 17 CCR 93116.4(c), District Rule 204]

8. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.  
[Title 17 CCR 93116, District Rule 1302]

9. 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, and 40 CFR 51, Subpart A]