



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

B014927

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 2025

OWNER OF OPERATOR (Co. #1654)

New Cingular Wireless PCS, LLC
311 S. Akard Street, 12th Floor
Dallas, TX 75202

EQUIPMENT LOCATION (Fac. #3510)

AT&T Mobility - Desert Center (LA6145)
I-95, 2 miles North of Old Blythe Vidal Rd.
Desert Center, CA 92239

Description:

PROPANE/LPG IC ENGINE, PRIME GENERATOR consisting of: A US EPA Certified Rich-burn spark ignition internal combustion engine, driving a generator used to provide emergency power to this facility. EPA Engine Family PEDIB06.2RSG. Year of Manufacture 2023; Exhaust flow is approximately 610 CFM at 1350 degrees Fahrenheit; Stack Height 4.2 Feet; Stack Diameter 0.41 Feet. Equipment elevation is 387 feet above sea level.

One Ford, Propane fired internal combustion engine Model No. RSG-862 and Serial No. TBD, Three-Way Catalyst (also NSCR), Air-To-Fuel Ratio Controller, Electronic Control Module, producing 217 bhp with 8 cylinders at 3400 rpm while consuming a maximum of 8.23 gal/hr. This equipment powers a Ford Generator Model No. TBD and Serial No. TBD, rated at 40 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	10.6	gm/Kw-hr
NOx	0.38	gm/Kw-hr
PM10	0.041	lbs/hr
PM2.5	0.041	lbs/hr
SOx	0.003	lbs/hr
VOC	0.02	gm/Kw-hr

CONDITIONS:

Fee Schedule: 1 (c) Rating: 217 bhp SIC: 4813 SCC: 20301001 Location/UTM(Km): 725E/3273N

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.

New Cingular Wireless PCS, LLC
ATTN: EH&S

Dallas, TX 75202

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

1.This stationary, spark-ignited, internal combustion engine and its associated control device (Three-Way Catalyst) and air/fuel ratio controller 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 noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, subpart 60.4243; District Rule 1302]

2.This unit shall be fired on Liquified Petroleum Gas (LPG) fuel with a Sulfur content of less than 185 ppmw.
Note: Use of Commercial Grade Liquified Petroleum Gas satisfies this requirement.
[40 CFR 60.4243, District Rule 431 and]

3.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 60.4237]

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) 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 fuel usage in cubic feet or gallons;
b. Monthly and calendar year operation in terms of total hours; and
c. Records of all maintenance and repair actions performed on the engine, the AFRC, and the catalytic converter.
[40 CFR 60.4245, 40 CFR 1048, District Rule 1110.2]

5.The Air-to-Fuel Ratio Controller shall be used in conjunction with the control device, and shall be maintained and operated appropriately to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243]

6.The catalytic converter shall be cleaned in accordance with the manufacturer's written procedures when the pressure differential across the converter exceeds two (2) inches water column above its initial reading at startup.
[40 CFR 60.4243, District Rule 1302]

7.In the event that the Three-Way Catalytic Converter is replaced, the new (replacement) Catalytic Converter must be of the same Manufacturer and model designation and it must be installed by Factory Certified personnel to avoid follow-on source testing.

If the Manufacturer or the Model designation of the new (replacement) catalytic converter is not identical to the original catalytic converter or if the unit is not installed by Factory Certified personnel, then the engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 and District Rule 1160 within 90 days after the catalytic converter replacement. The source test results must verify that the engine meets the following maximum emission limits (measured at standard conditions):

- a. NOx: 50 ppmv (per district rule 1160);
 - b. CO: 2.0 g/hp-hr (per Emission standards Subpart JJJJ), and
 - c. VOC: 0.2 g/hp-hr (per Emission standards Subpart JJJJ).
- [40 CFR 60.4243, 40 CFR 60.4244, District Rules 1160, 1303 and 1320]

8.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)]

9.The owner/operator must comply with the following emission standards, as referenced below, over the entire life of the engine. Compliance must be determined in accordance with the performance test methods and procedures specified in 40 CFR 60.4244 and Table 1 to Subpart JJJJ.

Maximum Allowed Emission Standards:

- a. NOx: 50 ppmv (per district rule 1160);
- b. CO: 2.0 g/hp-hr (per Emission standards Subpart JJJJ), and
- c. VOC: 0.2 g/hp-hr (per Emission standards Subpart JJJJ).

Note: Emission standards are from District Rule 1160 and the Emission standards Subpart JJJJ.
[District Rules 1160(C)(a)(i), and 1302; 40 CFR Part 60.4233(e)]

10. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[District Rule 1302]

11. 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]