



# 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

B014952

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 2025

#### OWNER OF OPERATOR (Co. #1654)

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

#### EQUIPMENT LOCATION (Fac. #4432)

New Cingular Wireless - State Hwy 38  
3407 State Highway 38  
Angelus Oaks, CA 92305

#### Description:

PROPANE/LPG IC ENGINE, GENERATOR consisting of: EPA Engine Family PKBxB02.5HFA. Year of Manufacture 2023; Exhaust flow is approximately 184 CFM at 1200 degrees Fahrenheit; Stack Height 7.5 Feet; Stack Diameter 0.375 Feet. Equipment elevation is 9115 feet above sea level.

One Kubota, LPG fired internal combustion engine Model No. WG2503-LN-E3-KEA-4 and Serial No. TBD, Air-To-Fuel Ratio Controller, Three-Way Catalyst (also NSCR), Electronic Control Module, Four-Stroke Rich Burn, producing 60 bhp with 4 cylinders at 2700 rpm while consuming a maximum of 5.78 gal/hr. This equipment powers a CK Power Generator Model No. TBD and Serial No. TBD, rated at TBD.

#### EMISSIONS RATES

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 15.15         | gm/bhp-hr |
| NOx           | 0.559         | gm/bhp-hr |
| PM10          | 0.029         | lbs/hr    |
| PM2.5         | 0.029         | lbs/hr    |
| SOx           | 0.002         | lbs/hr    |
| VOC           | 0.029         | gm/bhp-hr |

#### CONDITIONS:

Fee Schedule: 1 (b)      Rating: 59.7 bhp      SIC: 4813      SCC: 20301001      Location/UTM(Km): 526E/3781N

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 and emissions control equipment.
- [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.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 60.4231(c) 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. NMHC + NOx: 0.8 g/kW-hr (per Emission standards Subpart JJJJ);
  - b. CO: 20.6 g/kW-hr (per Emission standards Subpart JJJJ), and
  - c. HC + NOx: 0.8 g/kW-hr (per Emission standards Subpart JJJJ).
- [40 CFR 60.4231(c), 40 CFR 1048, District Rules 1160, 1303 and 1320]

7.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)]

8.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 installation and operation of a certified engine with EPA Engine Family PKBXB02.5HFA.

Maximum Allowed Emission Standards:

- a. NMHC + NOx: 0.8 g/kW-hr (per Emission standards Subpart JJJJ);
- b. CO: 20.6 g/kW-hr (per Emission standards Subpart JJJJ), and
- c. HC + NOx: 0.8 g/kW-hr (per Emission standards Subpart JJJJ).

Note: Emission standards are from District Rule 1160 and the Emission standards Subpart JJJJ.  
[40 CFR 60.4231(c), 40 CFR 1048, District Rules 1160(C)(a)(i), and 1302]

9. 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).  
[40 CFR 60.4231(c), District Rule 1302]

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, and 40 CFR 51, Subpart A]