



## 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

B014046

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. #2926)

AT&T - Havasu Landing II  
1469 Havasu Lake Rd  
Needles, CA 92363

#### Description:

DIESEL IC ENGINE, GENERATOR consisting of: A certified Tier 4f diesel engine, EPA Family KSZXL02.2PXB, manufactured in 2019 and equipped with factory-installed emission controls. Exhaust flow is approximately 237 cfm at 1078 degrees Fahrenheit through a 4.167 foot tall by 2 inch diameter stack:

Onelsuzu, Diesel fired internal combustion engine Model No. BP-4LE2X and Serial No. TBD, Charge Air Cooler, Diesel Oxidation Catalyst, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Turbo Charged, producing 65.7 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 3.18 gal/hr. This equipment powers a Generac Generator Model No. MMG45IF4 and Serial No. TBD, rated at TBD.

#### EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.07457	gm/bhp-hr
NOx	2.2669	gm/bhp-hr
PM10	0.0149	gm/bhp-hr
PM2.5	0.0149	gm/bhp-hr
SOx	0.0047	gm/bhp-hr
VOC	0.119	gm/bhp-hr

#### CONDITIONS:

Fee Schedule: 1 (b)      Rating: 65.7 bhp      SIC: 4813      SCC: 20100102      Location/UTM(Km): 729E/3817N

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 certified Tier 4 Final 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 1302; 40 CFR 60.4211(a)]

2.This engine shall not be operated unless all of the following emission control systems are properly functioning:  
a. Diesel Oxidation Catalyst;  
b. Exhaust Gas Recirculation System; and  
c. Electronic Control Module.

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.

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 three (3) 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 period hour meter readings, including the dates of all monthly readings;
- c. Date of each maintenance action or repair on any equipment noted in Condition #2;
- d. Description of each maintenance action or repair on any equipment noted in Condition #2;
- e. 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);
- f. Calendar year operating hours as determined by the installed hour meter (to assist in CEI calculations); and
- g. Results of any source testing conducted on the engine.

[District Rules 1302 and 1320; 17 CCR 93115]

6.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]

7.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]