Cook

TENNESSEE AIR POLLUTION CONTROL BOARD
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243-1531

JAN 18 2011

OPERATING PERMIT Issued Pursuant to Tennessee Air Quality Act

Date Issued: December 29, 2010

Permit Number: 064190P

Date Expires: December 28, 2020

Issued To:
US Cellular

Installation Address:
653 Eroh Road
Crossville

Installation Description:
One(1) Diesel-Fired Emergency Power Generator
(Kohler Model 50REOZJC)
Design Power Output: 37 Kilowatts

Emission Source Reference No.
18-0169-01
NSPS-Federal Subpart IIII
NESHAP MACT Subpart ZZZZ

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

CONDITIONS:

1. The application that was utilized in the preparation of this permit is dated December 13, 2010, and is signed by Ronald Lewis, Environmental, Health, and Safety Manager for the permitted facility. If this person terminates his/her employment or is assigned different duties such that he/she is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants. This permit does not cover any air contaminant source that does not conform to the conditions of this permit and the information given in the approved application.

(conditions continued on next page)

Gary R. Stephens

TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST AT INSTALLATION ADDRESS

2. The design rated power for this compression ignition engine (generator) is **37 Kilowatts**. This source is subject to the requirements of 40 CFR part 60 Subpart IIII and 40 CFR 89.113. This unit is also subject to TAPCR 1200-03-09-.03(8).

3. Only diesel fuel shall be used for this source.

4. Operating time for non-emergency operation for this source shall not exceed **100** hours per calendar year. **TAPCR 1200-03-09-.03(8) and 40 CFR 60 Subpart IIII.**

Compliance Method: Compliance shall be assured by maintaining information in **log #1** or any other format that provides the same information. Records of hours of operation must be entered in the log no later than 30 days from the end of the month for which the data are required.

MONTHLY LOG #1 FOR SOURCE 18-0169-01

MONTH	NON-EMERGENCY OPERATING HOURS	MONTH	NON-EMERGENCY OPERATING HOURS
1		7	
2		8	
3		9	
4		10	
5		11	
6		12	
TOTAL, YEAR_____			

5. Particulate Matter (TSP) emitted from this source shall not exceed 0.40 g/kW-hr (**0.033** lbs/hr) 40 CFR §60.4205

6. Pursuant to 40 CFR §60.4207(a), beginning **October 1, 2007**, the permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(a), as follows:

   (**1**) Sulfur content shall not exceed 500 parts per million (ppm)

   (**2**) Cetane index or aromatic content, as follows:

   (**i**) A minimum cetane index of 40; or

   (**ii**) A maximum aromatic content of 35 volume percent.

Pursuant to 40 CFR §60.4207(b), beginning **October 1, 2010**, the permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(b), as follows:

   (**1**) Sulfur content shall not exceed 15 ppm maximum for nonroad diesel fuel

   (**2**) Cetane index or aromatic content, as follows:

   (**i**) A minimum cetane index of 40; or

   (**ii**) A maximum aromatic content of 35 volume percent.

For pre-2011 model year engines, the permittee may petition the Technical Secretary for approval to use any remaining non-compliant fuel that does not meet the fuel requirements of 40 CFR 80.510(b), for the purpose of depleting any existing fuel inventories. If approved, the petition will be valid for a period of up to 6 months. If additional time is needed, the permittee is required to submit a new petition to the Technical Secretary. 40 CFR 60.4207

(Conditions continued next page)

7. The permittee must demonstrate compliance with the provisions of Condition 6 of this permit by one of the following methods:
   A. Provide test data for each shipment of fuel certifying compliance with all applicable requirements.
   B. Provide a statement from the fuel supplier certifying compliance with all applicable requirements for each shipment of fuel.
   C. Provide a statement from the fuel supplier to the effect that all fuel shipments to the permittee comply with all applicable requirements.

   All records required by this condition must be retained for a period of not less than two (2) years. Additionally, these records shall be kept available for inspection by the Technical Secretary or his representative.

8. Carbon Monoxide (CO) emitted from this source shall not exceed 5.0 grams per kilowatt-hour (**0.41** lb/hr). 40 CFR §60.4205

9. Nitrogen Oxides (NO_x) emitted from this source shall not exceed 4.7 grams per kilowatt-hour (**0.38** lb/hr). 40 CFR §60.4205

10. Compliance with the Particulate Matter, Carbon Monoxide, and Nitrogen Oxides emission limits are based on compliance with **Conditions 2 and 3** of this permit and the manufacturer's certification of compliance with 40 CFR 89.112.

11. A non-resettable hour meter must be installed on the engine prior to start-up. The meter is required per NSPS §60.4209.

12. Visible emissions from this source shall not exhibit greater than twenty percent (20%) opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average). TAPCR 1200-3-5-.03(6) and TAPCR 1200-3-5-.01(1)

13. The permittee shall operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer. In addition, the permittee may change only those settings that are permitted by the manufacturer. 40 CFR §60.4211(a)

14. Under the Provisions of 40 CFR 63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), this facility is considered to be a "new" stationary RICE located at an "Area Source." This unit is considered to be new because its construction commenced on or after June 12, 2006. (§63.6590).

    This rule states that "new" RICE units at area sources that started up after January 18, 2008 must comply with the applicable emission limitations and operating limitations upon startup.

    §63.6590 (c) states that a new or reconstructed stationary RICE located at an area source must meet the requirements of this part by meeting the requirements of 40 CFR Part 60 Subpart IIII, for compression ignition engines. No further requirements apply for such engines under Subpart ZZZZ.

15. This permit is valid only at this location.

16. The permittee shall apply for renewal of this permit not less than sixty (60) days prior to the permit expiration date, pursuant to Division Rule 1200-3-9-.02(3).

(End of conditions)

The permit application gives the location of this source as 35.945906 N Latitude and -84.936098 W Longitude.