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

Permit to Construct or Modify an Air Contaminant Source Issued Pursuant to Tennessee Air Quality Act

Date Issued: December 10, 2012

Permit Number: 966724P

Date Expires: December 1, 2013

Issued To:
Cleveland TN Hospital Co., LLC

Installation Address:
2305 Chambliss Ave NW
Cleveland

Installation Description:
One Diesel Fired Emergency Generator
Design Power Output: (1,073 hp or 800 Kilowatts)
Installed in 2009

Emission Source Reference No.
06-0056-04
NESHAP (Subpart ZZZZ)
NSPS (Subpart IIII)

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 August 10, 2012, and signed by Jeff Prine, Facilities Director for the permitted facility. If this person terminates 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.

(Conditions continued on next page)

Barry 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 is 800 Kilowatts. This source is subject to the requirements of 40 CFR part 60 Subpart IIII and 40 CFR §89.112. Also, the source is subject to TAPCR 1200-03-09-.03(8).

3. Only No. 2 fuel oil and diesel fuel shall be used as fuels for this source.

4. Particulate Matter (TSP) emitted from this source shall not exceed 0.2 grams per kilowatt-hour (0.35 lb/hr each). 40 CFR §60.4205(b)

5. Sulfur Dioxide (SO_2) emitted from this source shall not exceed 4.34 pounds per hour. TAPCR 1200-03-14-.03(5)

6. Carbon Monoxide (CO) emitted from this source shall not exceed 3.5 grams per kilowatt-hour (6.17 lb/hr each). 40 CFR §60.4205(b)

7. Volatile Organic Compounds (VOCs) emitted from this source shall not exceed 0.76 pound per hour. TAPCR 1200-03-07-.07(2)

8. Non-Methane Hydrocarbons and Nitrogen Oxides (NMHC + NO_x) emitted from this source shall not exceed 6.4 grams per kilowatt-hour (11.29 lb/hr each). 40 CFR §60.4205(b)

9. Compliance with the emission limits in **Conditions 5 and 7** is based on compliance with **Conditions 2 and 3** of this permit and AP-42, Chapter 3, Section 3, emission factors.

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

11. The emergency diesel generator allowable emissions were calculated using EPA's policy of 500 hours per calendar year.

12. Pursuant to 40 CFR §60.4211(f), emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited.

13. 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 1200-03-05-.03(6) and TAPCR 1200-03-05-.01(1)

(Conditions continued on next page)

14. Pursuant to 40 CFR §60.4207(b), beginning October 1, 2010, the permittee shall purchase diesel fuel that meets the requirements of 40 CFR 80.510(b), as follows:
    (1) Sulfur content shall not exceed 15 parts per million (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.

15. 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 only change those settings that are permitted by the manufacturer. 40 CFR §60.4211(a)

16. The permittee shall comply with the PM, CO, and (NMHC + NOx) emission limitations by purchasing an engine certified to the emission standards in 40 CFR §60.4205(b) for the same model year and maximum engine power. The permittee shall maintain a record of this certification at the source location. The engine shall be installed and configured according to the manufacturer's specifications. 40 CFR §60.4211(c)

17. The source (06-0056-04) is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63, Subpart ZZZZ). Pursuant to 40 CFR §63.6590(c), this affected source (which is a new stationary RICE located at an area source of HAP emissions) shall meet the requirements of 40 CFR Part 63 by meeting the requirements of 40 CFR Part 60, Subpart IIII. No further requirements apply for this engine under 40 CFR Part 63.

18. This source shall comply with all applicable state and federal air pollution regulations. This includes, but is not limited to, federal regulations published under 40 CFR 63 for sources of hazardous air pollutants and 40 CFR 60, New Source Performance Standards.

19. This source shall operate in accordance with the terms of this permit and the information submitted in the approved permit application.

20. This permit is valid only at this location.

21. This permit shall serve as a temporary operating permit from the date of issuance to the receipt of a standard operating permit (regardless of the expiration date), provided that an application for an operating permit is submitted to the Division at least sixty (60) days prior to the expiration of this permit and that the conditions of this permit and any applicable emission standards are met.

(End of conditions)