

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

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COLUMBIA



ENVIRONMENTAL FIELD OFFICE

COLUMBIA

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

Date Issued: March 3, 2010

Permit Number:

Date Amended: April 28, 2010

AMENDMENT

963168P

Date Expires: March 2, 2011

Issued To:

Rogers Group, Inc.  
(Lawrenceburg Quarry)

Installation Address:

2690 Waynesboro Highway  
Lawrenceburg

Installation Description:

One (1) Internal Combustion  
Diesel Generator (2127 hp)

Emission Source Reference No.

50-0035-05  
Conditional Major

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 October 4, 2009, and signed by Van Medlock, Environmental Manager of the permitted facility. If this person terminates employment or is assigned different duties and 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.

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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

**SECTION I: General Conditions**

The following conditions shall apply to all sections of this permit unless otherwise noted.

2. The permittee has elected to opt-out of being issued a major source operating permit pursuant to Rule 1200-3-9-.02(11)(a) of the Tennessee Air Pollution Control Regulations (TAPCR). The permittee would be considered a major source because their "potential to emit" Sulfur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>), and Carbon Monoxide (CO) was greater than 100 tons per year each for the entire facility at the time of application. The permittee has agreed to be subject to limitations in order to be below the major source applicability threshold for Sulfur Dioxide, Oxides of Nitrogen, and Carbon Monoxide of 100 tons per year each.
3. Any non-compliance with any condition(s) of this permit set to restrain the "potential to emit" below the applicability thresholds of 1200-3-9-.02(11) of the Tennessee Air Pollution Control Regulations (TAPCR) shall be reported in writing to the Technical Secretary within fifteen (15) working days of such discovery. This notification, at a minimum, shall include the identification of the source, identification of the permit condition(s) violated, and details of the violation.
4. The permittee is placed on notice that **Condition 13** of this permit contains limitations that allow the permittee to opt out of the major source permit program requirements specified in Division Rule 1200-3-9-.02(11). Failure to abide by these limits will not only subject the permittee to enforcement action by the State of Tennessee, but it may also result in the imposition of Federal enforcement action by the United States Environmental Protection Agency and the loss of being Federally recognized as a Conditional Major Source.
5. A report stating the compliance status of this facility with **Condition 13** shall be submitted by March 31, of every year, covering the previous calendar year. The first report shall cover the calendar year of 2010 and is due March 31, 2011. Each report shall cover the preceding calendar year and shall contain the records required by **Condition 14**. These reports shall be submitted to the Columbia Environmental Field Office at the following address:  
  
Columbia Environmental Field Office  
Division of Air Pollution Control  
1421 Hampshire Pike  
Columbia, TN 38401
6. 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)
7. Fugitive emissions from this source shall be controlled as specified in Rule 1200-3-8-.01. Specifically, no person shall cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-3-20. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.
8. Visible emissions from roads and parking areas shall not exhibit greater than ten percent (10%) opacity as determined by Tennessee Visible Emission Evaluation (TVEE) Method 1, as adopted by the Tennessee Air Pollution Control Board on April 29, 1982, as amended on September 15, 1982 and August 24, 1984.

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9. The issuance of this construction permit supersedes any previously issued permit(s) for this air contaminant source.
10. The issuance of this permit does not exempt the permittee from any requirements of the Environmental Protection Agency pertaining to emissions from the operation of this source.
11. This permit shall serve as a temporary conditional major operating permit from the date of issuance to the receipt of a standard conditional major operating permit, provided that an application for a conditional major 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.
12. The permit is valid only at this location.

<b>SECTION II: Source Specific Conditions</b>
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<b>50-0035-05: Conditions 13 – 22 apply to the Internal Combustion Diesel Generator (2127 hp)</b>
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13. Operating hours for this source shall not exceed 2000 hours per year.  
  
This limit is established pursuant to TAPCR 1200-3-9-.02(11) and the information contained in the agreement letter dated November 4, 2009, from the permittee. Compliance with this limit is assured by the records required by **Condition 14**.
14. A log with hours of operation must be maintained at the source location. The log must be in a form that readily shows compliance with **Condition 13** of this permit. The permittee shall calculate the total hours for each month and current year. (See example below) This log must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years. All data, including all required calculations, must be entered in the log no later than thirty (30) days from the end of the month for which the data is required.

Monthly Log for Operation	Month
Day of the Month	Operating time (hours/day)
<b>Total:</b>	

  

Yearly Log for Operation	Year
Month	Operating time (hours/month)
<b>Total:</b>	

15. The maximum power output capacity for the internal combustion diesel engine shall not exceed 2127 horsepower (hp). Any increase in this limit will require a construction permit.
16. Only No. 2 fuel oil and diesel fuel shall be used as fuels for this source.

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17. Particulate matter (PM) emitted from this source shall not exceed 0.481 pounds per million British thermal units of heat input (7.2 pounds per hour and 1.8 tons per year). Compliance with these limits shall be indicated by compliance with **Conditions 13, 14, 15, and 16.**

The hourly emission limitation is established pursuant to Rule 1200-3-6-.02(2) of the TAPCR. The annual emission limitation is effectively established pursuant to **Condition 13.**

18. Sulfur dioxide (SO<sub>2</sub>) emitted from this source shall not exceed 4.4 pounds per hour. Compliance with this limit shall be indicated by compliance with **Conditions 13, 14, 15, and 16.** TAPCR 1200-03-14.03(5)
19. Carbon monoxide (CO) emitted from this source shall not exceed 14.5 pounds per hour. Compliance with this limit shall be indicated by compliance with **Conditions 13, 14, 15, and 16.** TAPCR 1200-03-07.07(2)
20. Nitrogen oxides (NO<sub>x</sub>) emitted from this source shall not exceed 65.9 pounds per hour. Compliance with this limit shall be indicated by compliance with **Conditions 13, 14, 15, and 16.** TAPCR 1200-03-07.07(2)
21. Volatile organic compounds (VOC) emitted from this source shall not exceed 6.2 pounds per hour. Compliance with this limit shall be indicated by compliance with **Conditions 13, 14, 15, and 16.** TAPCR 1200-03-07.07(2)
22. Compliance with the emission limits in **Conditions 18, 19, 20, and 21** is based on compliance with **Conditions 13, 14, 15, and 16** of this permit and AP-42, Chapter 3, Section 3, emission factors.

(End of Conditions)

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April 28, 2010 - This permit is amended to correct the expiration date of the permit from March 2, 2010 to March 2, 2011.