

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

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ENVIRONMENTAL FIELD OFFICE

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

Date Issued: March 3, 2010

Permit Number:

Date Expires: March 2, 2011

963269P

Issued To:  
Rogers Group, Inc.

Installation Address:  
2690 Waynesboro Highway, US Hwy 64 West  
Lawrenceburg

Installation Description:  
Batch Mix Asphalt Plant with Baghouse Control and  
Asphalt Re grind Circuit

Emission Source Reference No.  
50-0035-04  
**CONDITIONAL MAJOR**  
NSPS

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.

GENERAL CONDITION:

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.

(continued on the next page)

  
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: 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 1200-03-09-.02(11)(a) of the Tennessee Air Pollution Control Regulations (TAPCR). The permittee would be considered a major source because their "potential to emit" for 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 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 1200-03-09-.02(11) of the Tennessee Air Pollution Control Regulations 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 **Conditions 16 and 17** of this permit contain limitations that allow the permittee to opt-out of the major source operating 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. Compliance with **Conditions 16 and 17** assures that this facility will be below the major source applicability threshold for Sulfur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>), and Carbon Monoxide (CO) of 100 tons per year each.

This assurance is based on AP-42 Chapter 11, Section 1 (Hot Mix Asphalt Plants, dated March 2004) from which the emission factors were used to calculate emissions as shown below:

Parameter	Based on use of Waste Oil as fuel; Batch Mix Plant			
	AP-42 Table	Emission Factor, lb/ton	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr
SO <sub>2</sub>	11.1-5	0.088	123.3	17.6
CO	11.1-5	0.40	560.6	80.0
NO <sub>x</sub>	11.1-5	0.12	168.2	24.0

6. A written report stating the compliance status of this facility with **Conditions 16 and 17** shall be submitted by March 31 of every year. This report shall include the records required by **Condition 24**. The first report shall cover the calendar year of 2010 and will be due by March 31, 2011. This report shall be submitted to the Environmental Field Office at the following address:

Air Pollution Control Field Office Manager  
 Columbia Environmental Field Office  
 1421 Hampshire Pike  
 Columbia, TN 38401

7. Should proof of compliance for the pollutant(s) with emission limitations placed on this permit be required, the emissions measuring test method(s) and procedure(s) are the following:

Pollutant or Parameter	Testing Methodology
Sulfur Dioxide	EPA Method 6 as published in the current 40 CFR 60, Appendix A
Particulate Matter	EPA Method 5 as published in the current 40 CFR 60, Appendix A
Carbon Monoxide	EPA Method 10 as published in the current 40 CFR 60, Appendix A
Oxides of Nitrogen	EPA Method 7 as published in the current 40 CFR 60, Appendix A
Volatile Organic Compounds	EPA Method 25A as published in the current 40 CFR 60, Appendix A

8. Visible emissions from roads and parking areas shall not exhibit greater than 10 percent opacity utilizing Tennessee Visible Emissions Evaluation (TVEE) Method 1. This condition is established pursuant to Rule 1200-3-8-.01(1) of the Tennessee Air Pollution Control Regulations.

9. Fugitive emissions from this facility 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 facility shall be determined by Tennessee Visible Emissions Evaluation Method 4. This condition is established pursuant to Rule 1200-3-8-.01(2) of the Tennessee Air Pollution Control Regulations.
10. Visible emissions from this facility not covered by **Conditions 8 and 9** shall not exhibit greater than 20 percent opacity as determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A. (6 minute average) This condition is established pursuant to Rule 1200-3-5-.03(6) of the Tennessee Air Pollution Control Regulations.
11. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five (5) years.
12. The source(s) controlled by the air pollution control device(s) shall not operate unless the control device(s) is in operation. In the event a malfunction/failure of a control device(s) occurs, the operation of the process(es) controlled by the control device(s) shall be regulated by the provisions of Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.
13. This permit is valid only at this location.
14. The issuance of this permit supersedes any permit(s) previously issued for this air contaminant source.
15. 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.

## SECTION II: SOURCE SPECIFIC CONDITIONS

50-0035-04 320 ton/hr Batch Mix Asphalt Plant with Baghouse Control, NSPS, and Asphalt Recycle Circuit.  
Conditions 16-24 apply to Source 50-0035-04.

16. Only natural gas and fuel oil (up to and including #4) shall be used as fuels for this facility.
17. Production rate for this source shall not exceed 400,000 tons during all intervals of twelve (12) consecutive months. Compliance with this requirement shall be indicated by the records required by **Condition 24**.  
  
This emission limitation is established pursuant to Rule 1200-3-9-.02(11)(a) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter dated November 4, 2009 from the permittee.
18. Particulate Matter (TSP) emitted from this source shall not exceed 0.04 grain per dry standard cubic foot of stack gases (11.8 pounds per hour). TAPCR 1200-03-16-.08(3)(a).
19. Carbon Monoxide (CO) emitted from this source shall not exceed 128.0 pounds per hour. TAPCR 1200-03-07-.07(2).
20. Sulfur Dioxide (SO<sub>2</sub>) emitted from this source shall not exceed 28.2 pounds per hour. TAPCR 1200-03-14-.03(5).
21. Oxides of Nitrogen (NO<sub>x</sub>) emitted from this source shall not exceed 38.4 pounds per hour. TAPCR 1200-03-07-.07(2).
22. Volatile Organic Compounds (VOC) emitted from this source shall not exceed 2.62 pounds per hour. TAPCR 1200-03-07-.07(2).
23. Compliance with the emission limits in **Conditions 19, 20, 21, and 22** is based on compliance with **Conditions 16 and 17** of this permit and AP-42, Chapter 11, Section 1, emission factors.
24. The permittee shall maintain a record of the type of fuel used (natural gas and #2, #3, or #4 fuel oil), and asphalt production at this source, in a form that readily provides the information required in the following tables. All monthly 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. All daily data, including all required calculations, must be entered into the log no later than seven (7) days from the end of the day for which the data is required. The permittee shall retain this record at the source location for a period of not less than five (5) years and keep this record available for inspection by the Technical Secretary or their representative.

## MONTHLY LOG: Source 50-0035-04

Date	Type of Fuel Used	Production (tons)	Production Rate (tons/month)	Date	Type of Fuel Used	Production (tons)	Production Rate (tons/month)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							
Totals for the month of , 20							

## YEARLY LOG: Source 50-0035-04

Month	Production (tons)	Production (tons/12 consecutive months)	Month	Production (tons)	Production (tons/12 consecutive months)
January			July		
February			August		
March			September		
April			October		
May			November		
June			December		

The Tons per 12 consecutive month value is the sum of the Production (in tons) in the 11 months preceding the month just completed + the Production (in tons) in the month just completed. If data is not available for the 11 months preceding the initial use of this table, this value will be equal to the value for "Production".

(END OF CONDITIONS)

## Emission Summary

Permit Number: 963269P

Source Status: New ☐ Modification ☒ Expansion ☐ Relocation ☐ Permit Status: New ☐ Renewal ☐

PSD ☐ NSPS ☒ NESHAPs ☐ Previous Permit Number: Construction 957889P Operating 458210P

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-03-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
TSP	5.12	5.12	11.79	3.80	5.12	11.79	0	12-23-09	3	16-.08(3)(a)
SO <sub>2</sub>	28.16	28.16	28.16	17.6	17.6	17.6	-3.3	12-23-09	3	09-.02(11)(a)
CO	128.00	128.00	128.00	80.00	80.00	80.00	-15.00	12-23-09	3	09-.02(11)(a)
VOC	2.62	2.62	2.62	2.62	2.62	2.62	0	12-23-09	3	07-.07(2)
NO <sub>x</sub>	38.40	38.40	38.40	24.0	24.0	24.0	-4.5	12-23-09	3	09-.02(11)(a)

\* - Source of data

PERMITTING PROGRAM: AY DATE: January 20, 2010

