

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

RECEIVED

23N JUL 2 2007 JAH  
DNH  
ENVIRONMENTAL COMPLIANCE  
CENTER - COLUMBIA



**OPERATING PERMIT** Issued Pursuant to Tennessee Air Quality Act

Date Issued: JUN 25 2007

Permit Number:  
060676P

Date Expires: June 1, 2016

Issued To:  
Rogers Group, Inc.

Installation Address:  
2690 Waynesboro Highway  
(Highway 64 West)  
Lawrenceburg

Installation Description:  
Rock Crushing Operation  
with Wet Suppression Control

Emission Source Reference No.  
50-0035-01  
NSPS as indicated

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 February 5, 2007 and is signed by Van Medlock, Environmental Manager for 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.

(conditions continued on 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

2. Production rate for this source shall not exceed the following limit, on a daily average basis:

Operation/Equipment	I.D. No.	Size	Status	Production (ton/hr)
Feeder	2		non-NSPS	600

3. Design capacity (in tons per hour) of crushers, screens, and pugmills; capacity (in tons) of storage bins; width of conveyors and radial stackers; and surface area of screens shall not exceed the limits listed below:

Operation/Equipment	I.D. No.	Size	Status	Capacity (ton/hr)
Primary Crusher	6	600 ton/hr	NSPS	600
Crusher	18	300 ton/hr	non-NSPS	300
Crusher	28	300 ton/hr	non-NSPS	300
4' Cone Crusher	30	300 ton/hr	non-NSPS	300
Cone Crusher	47	300 ton/hr	non-NSPS	300
Portable Crusher	S-1	300 ton/hr	NSPS	200
Screen	11	5' x 12'	non-NSPS	600
Screen	26	6' x 16'	non-NSPS	300
Screen	S-2	5' x 16'	NSPS	200
Screen	52	6' x 16'	NSPS	200
Screen	45	5' x 16'	non-NSPS	300
Conveyor(s)	C-29, C-31	48" wide	NSPS	200
Conveyor(s)	C-1	42" wide	non-NSPS	600
Conveyor(s)	C-2	36" wide	non-NSPS	600
Conveyor(s)	C-11, C-17	36" wide	non-NSPS	300
Conveyor(s)	C-23	36" wide	non-NSPS	700
Conveyor(s)	C-27	36" wide	NSPS	700
Conveyor(s)	C-30, C-32	36" wide	NSPS	200
Conveyor(s)	C-3	30" wide	non-NSPS	600
Conveyor(s)	C-7, C-9, C-10, C-18	30" wide	non-NSPS	300
Conveyor(s)	C-8, C-13, C-19	30" wide	non-NSPS	200
Conveyor(s)	C-28	30" wide	NSPS	200
Conveyor(s)	C-4, C-5, C-6, C-12, C-14, C-15, C-20	24" wide	non-NSPS	300
Conveyor(s)	C-16, C-21, C-22	24" wide	non-NSPS	200
Conveyor(s)	C-24, C-25, C-26	24" wide	NSPS	200
Pugmill	42	300 tons/hr	NSPS	300
Sand Screw	53		NSPS	200
HP 400	S-3		NSPS	200

The I.D. numbers referenced above are from a flow diagram submitted with a letter dated February 7, 2006.

4. Particulate matter emitted from this source shall not exceed 48.2 pounds per hour not to exceed 99.0 tons per year. This limitation is established pursuant to the information contained in the agreement letter dated March 14, 1996.
5. Visible emissions from the NSPS Screens (ID# S-2, #52) and NSPS Conveyors (ID# C-29, C-31, C-27, C-30, C-32, C-28, C-24, C-25, C-26) shall not exhibit greater than 10 percent opacity per TAPCR 1200-3-16-.53. The opacity is to be measured by EPA Method 9, as published in the Federal Register, Volume 39, No. 219 on November 12, 1974. TAPCR 1200-3-16-.53(3)(b).
6. Visible emissions from the NSPS Crushers (ID# 6, S-1) shall not exhibit greater than fifteen (15) percent opacity per Rule 1200-3-16-.53. The opacity is to be measured by EPA Method 9, as published in the Federal Register, Volume 39, No. 219 on November 12, 1974. TAPCR 1200-3-16-.53(3)(c).

(conditions continued on next page)

7. Visible emissions from roads and parking areas shall not exhibit greater than ten (10) percent opacity utilizing 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 as amended on August 24, 1984. TAPCR 1200-3-8-.03.
8. 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.
9. Visible emissions from this source not covered by **Conditions 5, 6, and 7** shall not exhibit greater than twenty (20) percent opacity as determined by EPA Method 9, as published in the Federal Register, Volume 39, Number 219 on November 12, 1974. (6 minute average) TAPCR 1200-3-5-.01(1).
10. The maximum annual production for this source shall not exceed 1,200,000 tons per all intervals of twelve (12) consecutive months.
11. A record of the daily production and operating hours of the feeder (ID# 2) in a form that readily shows compliance with **Conditions 2 and 10** must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This record must be retained for a period of not less than two (2) years.

Date	Daily Production (tons)	Hours of Operation	Daily Average Production (ton/hr)	Date	Daily Production (tons)	Hours of Operation	Daily Average Production (ton/hr)	Date	Daily Production (tons)	Hours of Operation	Daily Average Production (ton/hr)
1				12				23			
2				13				24			
3				14				25			
4				15				26			
5				16				27			
6				17				28			
7				18				29			
8				19				30			
9				20				31			
10				21							
11				22							

Total Production for the month of \_\_\_\_\_, 20\_\_

Month	Production	Month	Production	Month	Hours of Operation
January		May		September	
February		June		October	
March		July		November	
April		August		December	
Total Production for year 20__					

12. A record of the design capacity (such as manufacturer's operating specifications, manuals or equipment I.D. plates) must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative.
13. Wet suppression must be applied at locations in the operation as necessary to comply with the standards in this permit. The wet suppression system shall be maintained in good working condition in order to provide sufficient water pressure and water flow to effectively control fugitive emissions.

(conditions continued on next page)

14. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control device. 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 two (2) years.
15. Upon the malfunction/failure of any emission control device(s) serving this source, the operation of the process(es) served by the device(s) shall be regulated by Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.
16. The issuance of this operating permit supersedes all previously issued operating permit(s) for this air contaminant source.
17. This permit is valid only at this location.
18. The permittee shall apply for renewal of this permit not less than sixty (60) days prior to the permit's expiration date pursuant to Division Rule 1200-3-9-.02(3).

(end of conditions)

# Emission Summary

Permit Number: 0606076P

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

PSD ☐ NSPS ☐ NESHAPs ☐ Previous Permit Number: Construction \_\_\_\_\_ Operating 047392P

	Pounds/Hour			Tons/Year				Date of Data	*	Applicable Standard 1200-3-
	Actual	Potential	Allowable	Actual	Potential	Allowable	Net Change			
TSP	17.36	48.2	48.2	17.36	99.0	99.0		4/26/06		7-.03(1)
SO <sub>2</sub>										
CO										
VOC										
NO <sub>x</sub>										

\* - Source of data: Agreement letter dated March 14, 1996.

PERMITTING PROGRAM: AY DATE: June 11, 2007

# CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: Rogers Group  
 Permit Number(s): 0606768  
 Application Received (date): 02/09/07  
 Air Quality Analysis Performed? Yes ☐ No ☒

File Number: 50-0035 Env. Prot. Spec. Initials: AY  
 Source Point Number(s): 01  
 Application Complete (date): 05/30/07

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

Company is in Rock Crushing business in Lawrenceburg, TN with wet suppression control  
This is an existing operation.

## Rules Analysis

Title V ☐ Cond. Major ☐ Minor ☒ Source category listed in 1200-3-9-.01(4)(b)1.(i)? Yes ☐ No ☒  
 Reason for PSD: New source above TPY ☐  
 Applicable NSPS: 40 CFR Part 60, Subpart ☐ Sig. increase in emissions ☐ N/A ☐  
 Applicable NESHAP: 40 CFR Part 61, Subpart ☐ State Rule 1200-3-16- ☐ N/A ☐  
 " " 40 CFR Part 63, Subpart ☐ State Rule 1200-3-11- ☐ N/A ☐  
 " " State Rule 1200-3-31- ☐ N/A ☐

## Other Applicable State Rules

P Emissions: 1200-3-7-.0361 ☒ N/A ☐ NO<sub>x</sub> Emissions: 1200-3- ☐ N/A ☐  
 2 Emissions: 1200-3-14- ☐ N/A ☒ Lead Emissions: 1200-3- ☐ N/A ☐  
 Emissions: 1200-3- ☐ N/A ☒ Emissions: 1200-3- ☐ N/A ☐  
 C Emissions: 1200-3- ☐ N/A ☒ Emissions: 1200-3- ☐ N/A ☐  
 ble Emissions from crushers not to exceed 15% opacity per Method 9 (Rule 1200-3-16-.053(v))  
 ble Emissions from screens, conveyors not to exceed 10% opacity per Method 9 (Rule 1200-3-16-.053(v))  
 ble Emissions from roads, parking not to exceed 10% opacity per Method 1 (Rule 1200-3-8-.007)

Comments: \_\_\_\_\_



TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION  
DIVISION OF AIR POLLUTION CONTROL  
9TH FLOOR, L & C ANNEX  
401 CHURCH STREET  
NASHVILLE, TN 37243-1531

December 6, 2004

Van Medlock, Environmental Engineer  
Rogers Group, Inc.  
P.O. Box 25250  
Nashville, TN 37202-5250

RECEIVED  
DEC 17 2004

Re: 50-0035-01  
047392P

COLUMBIA FIELD OFFICE  
DIV. OF AIR POLLUTION CONTROL

Dear Mr. Medlock:

This correspondence is in response to your letter dated November 23, 2004. The information which you provided has undergone a preliminary review by the Division.

It has been determined that the changes described in your letters do not constitute *modifications*, as defined in subparagraph 1200-3-2-.01(1)(aa) of the Tennessee Air Pollution Control Regulations. Specifically, the proposed changes would not result in emissions from the source exceeding the emissions allowable under the existing operating permit (#047392P). Therefore, the source will not require a new construction permit at this time.

Part 1200-3-2-.01(1)(aa)4. requires that written notification be provided to the Technical Secretary at least seven days in advance of such a change. Your letters are accepted as the required notification. You should attach a copy of your letters to permit number 047392P, as required by that part.

If you have any questions concerning this correspondence, please contact John Fuss at (615) 532-0535.

Sincerely,

Lacey J. Hardin  
Assistant Director

JEF/LJH

cc: Columbia EAC

