

## Aemilia Hamel

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**From:** Air.Pollution Control  
**Sent:** Wednesday, 9 February, 2022 08:45  
**To:** APC Permitting  
**Subject:** FW: Op-Flex Request-Permit #078877  
**Attachments:** Portable Op-Flex Lawrenceburg Signed.pdf

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**From:** Theron Binford <Theron.Binford@rogersgroupinc.com>  
**Sent:** Wednesday, February 9, 2022 8:31 AM  
**To:** Air.Pollution Control <Air.Pollution.Control@tn.gov>  
**Cc:** Erik Knowles <erik.knowles@rogersgroupinc.com>  
**Subject:** [EXTERNAL] Op-Flex Request-Permit #078877

**\*\*\* This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. \*\*\***

Find attached an Op-Flex request for the adding of a portable crusher, screen and 7 conveyors at Pulaski Quarry.

Permit #078877

Theron L Binford III  
*Environmental Specialist*

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ROGERS GROUP INC.

421 Great Circle Rd  
Nashville, Tennessee 37228  
Mobile: (865) 333-0689  
Office: (615) 780-5695  
**rogersgroupinc.com**



February 9, 2022

Michelle Walker Owenby, Director  
Division of Air Pollution Control  
Tennessee Department of Environmental & Conservation  
9<sup>th</sup> Floor- L&C Annex  
401 Church Street  
Nashville, TN 37243-1531

**RE: Rogers Group, Inc. – Lawrenceburg Quarry  
Emission Source No. 50-00196, Operating Permit No. 078877P  
Operational Flexibility Request (For Non-Title V Sources)**

Dear Ms. Director:

The Rogers Group, Inc. – Lawrenceburg Quarry located at 2690 Waynesboro Highway, Lawrence County, Lawrenceburg, Tennessee plans to make the following changes immediately pursuant to TAPCR 1200-3-2-.01(1) (aa) (State regulation governing operational flexibility changes). This is the written notice required per TAPCR 1200-3-2-.01(1) (aa) 4. The addition of this portable equipment will be to meet current market demands in Lawrenceburg and then move to another location as other area demands necessitate. The equipment will be set up in line with the current plant on site and utilize a 817HP portable generator with a CAT 3412 diesel fired non-road engine defined by 40 CFR 89.2, Rogers Group will not allow the generator to remain at the location for more than 12 consecutive months.

**1. Brief Description of Change:**

Add one portable cone crusher(CC), screen(MS), and seven conveyors(CB1-7)

Equipment being Added	ID #	Design Operating Rate (TPH)	Size	Date of Manufacture	NSPS Status
HP300 Cone Crusher	CC	300	36"	2021	NSPS
Metso Screen	MS	300	6x20	2021	NSPS
Conveyor	CB1	300	36"	2021	NSPS
Conveyor	CB2	300	36"	2021	NSPS
Conveyor	CB3	300	36"	2021	NSPS
Conveyor	CB4	300	60"	2021	NSPS
Conveyor	CB5	400	30"	2021	NSPS
Conveyor	CB6	400	30"	2021	NSPS
Conveyor	CB7	400	30"	2021	NSPS

**1. Pollutants Emitted:**

Particulate matter will be emitted by the new equipment.

**2. Declaration of Any Changes in Emissions:**

Particulate matter will increase by 0.494 lb/hr and 0.494 ton/yr.

**3. Any Applicable Requirements That Would Apply as A Result of the Changes:**

The proposed added equipment is subject to 40 CFR Part 60, Subpart 000, and Standards of Performance for Nonmetallic Mineral Processing Plants. Emissions testing on the equipment will be conducted per the requirement for affected facilities in the final rule, effective April 28, 2009, 40 CFR Part 60, 60.675 Test Methods and Procedures and Table 3.

Subpart 000, New Source Performance Standards Review of Nonmetallic Mineral Processing Plants. A written report of the Visible Emissions Evaluations (VEEs) on the equipment that demonstrates compliance with the standard will be furnished to the Division with sixty (60) days of achieving the maximum production rate at which the facility will operate but no later than one hundred eighty (180) days after the initial start-up. Seven (7) days prior to performing the evaluations, the Division's Compliance Validation Program will be contacted at (615) 532-0554 or via electronic mail.

This source is not subject to requirements of paragraphs 1200-3-9-.02(11), 1200-3-9-.01(4), and 1200-3-9-.01(5). This change does not result in emissions exceeding the emissions allowable under the existing operating permit. This change does not result in the emission of any air contaminant (to which an emission standard applies) not previously permitted.

Based on information and belief after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

If you have any questions or I may be of further assistance concerning this correspondence, please contact me at (615) 780-5695 .

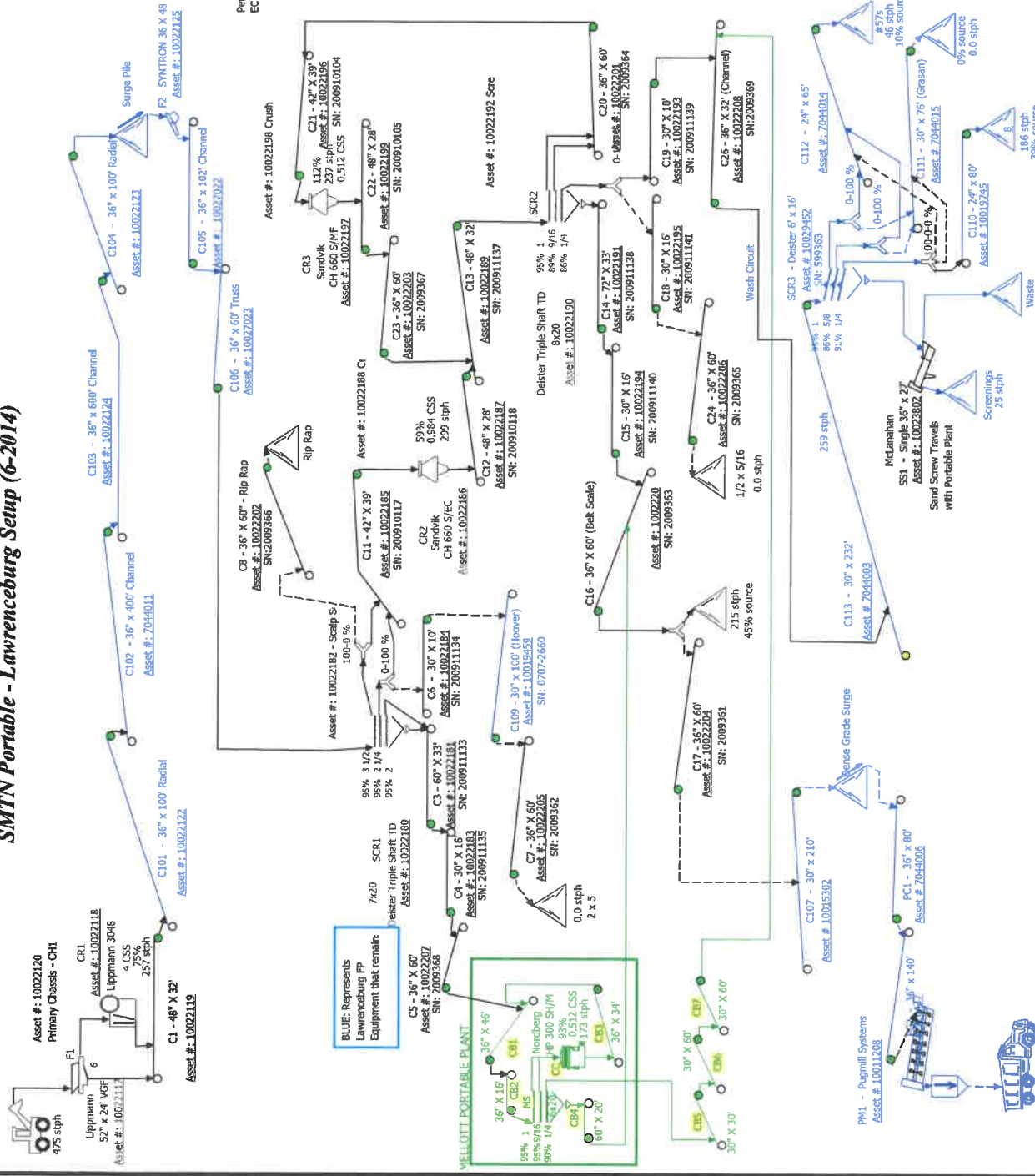
Sincerely,



Theron Binford III  
Environmental Specialist  
Rogers Group, Inc.

Rogers Group, Inc. - Portable Lime Circuit																						
Affected Facility	Emis. I.D. No.	Date of Manuf.	Qty.	Hours	Max. Cap.	Tons/Hr.	Max. Tons/Yr.	Uncontrolled Emissions (lb/hr)			Controlled Emissions (TPY)			Wet Suppression Control Efficiency			Controlled Emissions lbs/hr.			Controlled Emissions (TPY)		
								PM	PM-10	PM	PM-10	PM	PM-10	PM	PM-10	PM	PM-10	PM	PM-10	PM	PM-10	PM
Nordburg HP300 Cone Crusher	C8	2021	1	2,000	300	600,000		1.50	0.72	1.50	0.72	90.0%	90.0%	0.36	0.162	0.36	0.162					
6x20 Metso Screen	M8	2021	1	2,000	300	600,000		7.50	2.61	7.50	2.61	90.0%	90.0%	0.66	0.222	0.66	0.222					
36" Conveyor	C81	2021	1	2,000	300	600,000		0.90	0.33	0.90	0.33	90.0%	90.0%	0.04	0.014	0.04	0.014					
36" Conveyor	C82	2021	1	2,000	300	600,000		0.90	0.33	0.90	0.33	90.0%	90.0%	0.04	0.014	0.04	0.014					
36" Conveyor	C83	2021	1	2,000	300	600,000		0.90	0.33	0.90	0.33	90.0%	90.0%	0.04	0.014	0.04	0.014					
60" Conveyor	C84	2021	1	2,000	300	600,000		0.90	0.33	0.90	0.33	90.0%	90.0%	0.04	0.014	0.04	0.014					
30" Conveyor	C85	2021	1	2,000	400	800,000		1.20	0.44	1.20	0.44	90.0%	90.0%	0.06	0.018	0.06	0.018					
30" Conveyor	C86	2021	1	2,000	400	800,000		1.20	0.44	1.20	0.44	90.0%	90.0%	0.06	0.018	0.06	0.018					
30" Conveyor	C87	2021	1	2,000	400	800,000		1.20	0.44	1.20	0.44	90.0%	90.0%	0.06	0.018	0.06	0.018					
TOTALS								16.20	5.37	15.00	5.53			1.36	0.494	1.36	0.494					

**SMTN Portable - Lawrenceburg Setup (6-2014)**



Per Pat Curley, both cones are CH650. Secondary has EC with flexifred mantle (to handle slabs).

Calculation results may differ due to variations in operating conditions and application of crushing and screening equipment. This information does not constitute an express or implied warranty, but shows results of calculations based on information provided by customers or equipment manufacturers. Use this information for estimating purposes only.

Rogers Group Inc.

## SMTN Portable - Lawrenceburg Setup

## Jonathan

Plant Stage #1: Page #1

Date: February/4/2022

**All calculations performed by AggFlow. <http://www.AggFlow.com>**