



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

October 30, 2013

Mr. Bryan M. Howell
The Lane Construction Corporation
3176 Charleston Highway
West Columbia, SC 29172

RE: Modification of Attachment A for the General Conditional Major Operating Permit for Asphalt Plants
The Lane Construction Company – West Columbia Asphalt Plant
Permit Number: 9000-0083

Dear Mr. Howell:

Enclosed is Attachment A to GCM-9900-0083. This modified permit has the same expiration date as the previous General Conditional Major Operating Permit for Asphalt Plants and will remain valid through June 30, 2018. This modified permit is being issued to incorporate changes into your existing permit as described in the enclosed "Record of Revisions."

Please be advised that this facility's periodic reporting period is not affected by this modification. In addition, there have been no changes to the General Conditional Major for Asphalt Plants. It has not been included and you should retain the copy you were previously issued.

It is important for you and/or an authorized representative responsible for the overall operation of this facility to read this issued permit carefully and to understand all requirements. If any errors or omissions are discovered, please notify Kirk Schneider, (803) 898-4023 or e-mail at schneikg@dhec.sc.gov promptly if any are discovered.

In the event, you disagree with the modification to the Permit, the enclosed "Guide to Board Review" explains the process for contesting the Department's decision.

Sincerely,

Elizabeth J. Basil
Director, Engineering Services Division
Bureau of Air Quality

EJB:kgs:kal

Enclosure

cc: Permit File: 9900-0083
ec: Ben Buchanan, BEHS

ATTACHMENT A

FACILITY INFORMATION

The Lane Construction Company – West Columbia Asphalt Plant

GCM-9900-0083

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A - APPLICABLE PERMIT DATES

COVERAGE DATE:

August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS:

3176 Charleston Highway

CITY, STATE, ZIP FACILITY IS LOCATED IN:

West Columbia, SC 29172

COUNTY FACILITY IS LOCATED IN:

Lexington

C - FACILITY EQUIPMENT

Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID
AP	500 tph Drum Mix Asphalt Plant (40CFR60 Subpart I Applicable)	2005	BH
DB	150E+06 Btu/hr Dryer Burner Natural Gas, No.2 Fuel Oil (Maximum Sulfur Content 0.5%), No.4 Fuel Oil (Maximum Sulfur Content 1.5%), No.5 Fuel Oil (Maximum Sulfur Content 2.0%) and No.5 Recycled Fuel Oil (Maximum Sulfur Content 2.0%) as Burner Fuels	1999	BH
LS	Lime Silo	1992	BV

D - FACILITY CONTROL DEVICES

Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
BH	Pulse Jet Baghouse	2006	PM, PM ₁₀ , PM _{2.5}
BV	Bin Vent Baghouse	1992	PM, PM ₁₀ , PM _{2.5}

E - FACILITY EXEMPT EQUIPMENT

Equipment ID	Source Description	Installation Date	Basis
EX-FOT-1	12,000 gallon No.5 Recycled Fuel Oil Storage Tank	2007	Air Permitting Exemption List Item 9
EX-LAST-2	30,000 gallon Liquid Asphalt Cement Storage Tank No.1	1985	SC Regulation 61-62.1, Section II(B)(2)(h)
EX-LAST-3	30,000 gallon Liquid Asphalt Cement Storage Tank No.2	1985	SC Regulation 61-62.1, Section II(B)(2)(h)
EX-HOH	1.26E+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil as Fuels	2005	SC Regulation 61-62.1, Section II(B)(2)(h)

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F - ADDITIONAL CONDITIONS

The owner/operator must comply with the conditions of the General Conditional Major Operating Permit for Asphalt Plants and any additional conditions listed in this section.

Condition Number	Equipment ID	Conditions
F.1	AP	<p>This facility is allowed to use non-asbestos containing, recycled asphalt shingles as aggregate. Use of asphalt shingles that are not "tear-off" shingles will not require asbestos testing.</p> <p>This facility is not allowed to accept and process materials containing asbestos of any type, either alone or mixed with other materials, in an amount greater than one percent as determined by using the method specified in 40 CFR 763 Appendix A, Subpart F, Section 1, as amended, or an accepted equivalent.</p> <p>If "tear-off" shingles are used, the facility shall follow the requirements as outlined in the August 11, 2011 memorandum "Tear-Off Asphalt Roofing Shingle Usage, Permitting/Asbestos Testing Protocol." Additionally, records shall be kept in accordance with the requirements outlined in the above protocol memorandum. Test results shall be submitted annually to the BAQ Asbestos Section.</p> <p style="text-align: center;">SCDHEC – BAQ Asbestos Section 2600 Bull Street Columbia, SC 29201</p>
F.2	AP	<p>(July 18, 2011 Emissions Testing) Asphalt production is limited to 353 tph. Increase in the production rate up to the rated production of 500 tph will require retesting to demonstrate compliance with applicable requirements.</p>

ATTACHMENT B

**MODELED EMISSION RATES
The Lane Construction Company – West Columbia Asphalt Plant
GCM-9900-0083
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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards.

STANDARD NO. 2 - MODELED AAQS EMISSION RATES (lb/hr)								
STACK ID	PM₁₀	PM_{2.5}	SO₂	NO_x	CO	Lead	HF	
EP01-Dryer Baghouse Exhaust	11.50	1.45	29.00	27.50	65.00	--	--	
Hot Oil Heater Exhaust – (previously modeled emissions through EP01 but no longer emitted through EP01)	---	--	0.648	0.183	0.046	--	--	
EP02A-Asphalt Silo 1Fill	0.018	6.50E-04	--	--	--	--	--	
EP02B-Asphalt Silo 1 Loadout	--	3.60E-04	--	--	--	--	--	
EP03A-Asphalt Silo 2	0.55	6.50E-04	--	--	--	--	--	
EP03B-Asphalt Silo 2 Loadout	--	3.60E-04	--	--	--	--	--	
EP04A-Asphalt Silo 3Fill	--	6.50E-04	--	--	--	--	--	
EP04B-Asphalt Silo 3 Loadout	--	3.60E-04	--	--	--	--	--	

STANDARD NO. 7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)			
STACK ID	Minor Source Baseline Date(s)		
	03/20/2000	06/23/1996	05/23/1996
	PM₁₀	SO₂	NO_x
Hot Oil Heater Exhaust –	0.018	0.648	0.183
Lime Silo Exhaust EP03A	0.55	--	--

ATTACHMENT B

MODELED EMISSION RATES The Lane Construction Company – West Columbia Asphalt Plant GCM-9900-0083 Page 2 of 3

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Acrolein	Benzene	Cadmium	Formaldehyde
	107028	71432	7440439	50000
EP01-Dryer Baghouse Exhaust	0.013	0.195	2.05E-04	1.55
EP02A-Asphalt Silo 1 Fill	---	6.50E-04	---	0.01
EP02B-Asphalt Silo 1 Loadout	---	3.60E-04	---	0.00
EP03A-Asphalt Silo 2 Fill	---	6.50E-04	---	0.01
EP03B-Asphalt Silo 2 Loadout	---	3.60E-04	---	0.00
EP04A-Asphalt Silo 3 Fill	---	6.50E-04	---	0.01
EP04B-Asphalt Silo 3 Loadout	---	3.60E-04	---	0.00

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Hexane	HCl	Mercury	Nickel
	110543	7647010	7439976	7440020
EP01-Dryer Baghouse Exhaust	0.4692	0.105	0.0013	0.0315
EP02A-Asphalt Silo 1 Fill	6.50E-04	---	---	---
EP02B-Asphalt Silo 1 Loadout	3.60E-04	---	---	---
EP03A-Asphalt Silo 2 Fill	6.50E-04	---	---	---
EP03B-Asphalt Silo 2 Loadout	3.60E-04	---	---	---
EP04A-Asphalt Silo 3 Fill	6.50E-04	---	---	---
EP04B-Asphalt Silo 3 Loadout	3.60E-04	---	---	---

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STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (LBS/HR)				
STACK ID	POM	Propionaldehyde	Quinone	Toluene
	-	123386	106514	108883
EP01-Dryer Baghouse Exhaust	0.44241	0.065	0.08	1.49
EP02A-Asphalt Silo 1 Fill	0.00483	---	---	0.001
EP02B-Asphalt Silo 1 Loadout	0.00337	---	---	0.001
EP03A-Asphalt Silo 2 Fill	0.00483	---	---	0.001
EP03B-Asphalt Silo 2 Loadout	0.00337	---	---	0.001
EP04A-Asphalt Silo 3 Fill	0.00483	---	---	0.001
EP04B-Asphalt Silo 3 Loadout	0.00337	---	---	0.001