



Catherine B. Templeton, Director

*Promoting and protecting the health of the public and the environment*

December 4, 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 – Ulmer Asphalt Plant  
Permit Number: 9900-0082

Dear Mr. Howell:

Enclosed is Attachment A to GCM-9900-0082. 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](mailto: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: 9900-0082  
ec: Tim Pearson, BEHS

## ATTACHMENT A

### FACILITY INFORMATION

**The Lane Construction Company – Ulmer Asphalt Plant**  
**GCM-9900-0082**  
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#### A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

#### B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 8725 Riversbridge Rd.  
 CITY, STATE, ZIP FACILITY IS LOCATED IN: Olar, SC 29843  
 COUNTY FACILITY IS LOCATED IN: Bamberg

C - FACILITY EQUIPMENT			
Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID
AP	400 tph Drum Mix Asphalt Plant (40CFR60 Subpart I Applicable)	1984	BH
DB	97E+06 Btu/hr Asphalt Plant Dryer Burner No.2 Fuel Oil and No.5 Recycled Fuel Oil (Maximum Sulfur Content 2.0%) as Burner Fuels	1984	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	1984	PM, PM <sub>10</sub> , PM <sub>2.5</sub>
BV	Bin Vent Baghouse	1992	PM, PM <sub>10</sub> , PM <sub>2.5</sub>

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
FOT-1	7,000 gallon No.5 Recycled Fuel Oil Storage Tank	1984	Air Permitting Exemption List
FOT-2	10,000 gallon No.2 Fuel Oil Storage Tank	1984	Air Permitting Exemption List
FOT-3	3,000 gallon No.2 Fuel Oil Storage Tank	1984	Air Permitting Exemption List
AAT	2,000 gallon Asphalt Additive Storage Tank	1984	SC Regulation 61-62.1, Section II(B)(2)(h)
SST	Split Storage Tank 21,000 gallon Liquid Asphalt 9,000 gallon No.5 Recycled Fuel Oil	1984	SC Regulation 61-62.1, Section II(B)(2)(h)
HOH	1.2E+06 Btu/hr Hot Oil Heater No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Fuel	2006	SC Regulation 61-62.1, Section II(B)(2)(h)
RAPS	87.5 tph Recycled Asphalt Pavement System	2006	SC Regulation 61-62.1, Section II(B)(2)(h)



**ATTACHMENT B**

**MODELED EMISSION RATES  
The Lane Construction Company – Ulmer Asphalt Plant  
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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.

<b>STANDARD NO. 2 - MODELED AAQS EMISSION RATES (lb/hr)</b>							
<b>STACK ID</b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>Lead</b>	<b>HF</b>
EP01A – Baghouse	9.20	--	23.20	22.00	52.00	--	--
EP02A – HOH	0.017	--	0.618	0.174	0.044	--	--
EP03A - Lime	0.55	--	--	--	--	--	--

<b>STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)</b>				
<b>STACK ID</b>	<b>Acrolein</b>	<b>Benzene</b>	<b>Cadmium</b>	<b>Formaldehyde</b>
	<b>107-02-8</b>	<b>71-43-2</b>	<b>744-043-9</b>	<b>50-00-0</b>
EP01A	0.010	0.156	0.0002	1.240
EP04A	--	0.002	--	0.004
EP04B	--	0.0009	--	0.001

<b>STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)</b>				
<b>STACK ID</b>	<b>Mercury</b>	<b>Nickel</b>	<b>POMs</b>	<b>Quinone</b>
	<b>743-997-6</b>	<b>744-002-0</b>	<b>varies</b>	<b>106-51-4</b>
EP01A	0.001	0.025	0.354	0.064
EP04A	--	--	0.012	--
EP04B	--	--	0.008	--

<b>STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)</b>	
<b>STACK ID</b>	<b>Toluene</b>
	<b>108-88-3</b>
EP01A	1.160
EP04A	0.003
EP04B	0.004

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### MODELED EMISSION RATES The Lane Construction Company – Ulmer Asphalt Plant GCM-9900-0082 Page 2 of 4

STANDARD NO. 8 – POM EMISSION RATES (LBS/HR)			
POLLUTANT	CAS #	STACK ID	
		Production = EP01A	LOSL
Acenaphthene	83-32-9	5.60E-04	8.32E-04
Acenaphthylene	208-96-8	8.80E-03	5.24E-05
Anthracene	120-12-7	1.24E-03	2.27E-04
Benzo(a)anthracene	56-55-3	8.40E-05	8.28E-05
Benzo(a)pyrene	50-32-8	3.92E-06	3.14E-06
Benzo(b)fluoranthene	205-99-2	4.00E-05	1.04E-05
Benzo(e)pyrene	192-97-2	4.40E-05	2.03E-05
Benzo(g,h,i)perylene	191-24-2	1.60E-05	2.59E-06
Benzo(k)fluoranthene	207-08-9	1.64E-05	3.00E-06
Chrysene	218-01-9	7.20E-05	3.54E-04
Dibenz(a,h)anthracene	53-70-3	--	5.05E-07
Fluoranthene	206-44-0	2.44E-04	2.21E-04
Fluorene	86-73-7	4.40E-03	2.08E-03
Indeno(1,2,3-cd)pyrene	193-39-5	2.80E-06	6.41E-07
2-Methylnaphthalene	91-57-6	6.80E-02	8.60E-03
Naphthalene	91-20-3	2.60E-01	3.55E-03
Perylene	198-55-0	3.52E-06	6.05E-05
Phenanthrene	85-01-8	9.20E-03	2.93E-03
Pyrene	129-00-0	1.20E-03	6.51E-04

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### MODELED EMISSION RATES The Lane Construction Company – Ulmer Asphalt Plant GCM-9900-0082 Page 3 of 4

STANDARD NO. 8 – DE MINIMIS AIR TOXIC EMISSION RATES (lb/hr)			
POLLUTANT	CAS #	STACK ID	
		Production = EP01	LOSL
Acetaldehyde	75-07-0	5.20E-01	--
Arsenic	744-038-2	2.24E-04	--
Bromomethane	74-83-9	--	3.99E-04
2-Butanone	78-93-3	--	2.72E-03
Carbon Disulfide	75-15-0	--	9.96E-04
Chloroethane	75-00-3	--	1.98E-04
Chloromethane	74-87-3	--	1.37E-03
Cobalt	744-048-4	1.04E-05	--
Cumene	98-82-8	--	1.83E-03
Ethylbenzene	100-41-4	9.60E-02	6.51E-03
Hexane	110-54-3	3.68E-01	7.37E-03
Hexavalent chromium	1854-029-9	1.80E-04	--
Hydrochloric Acid	7647-01-0	8.40E-02	--
Isooctane	540-84-1	1.60E-02	4.51E-05
Manganese	743-996-5	3.08E-03	--
MEK	78-93-3	8.00E-03	--
Methyl chloroform	71-55-6	1.92E-02	--
Methylene Chloride	75-09-2	--	1.32E-05
Naphthalene	91-20-3	2.60E-01	3.55E-03
Phenol	108-95-2	--	1.61E-03
Propionaldehyde	123-38-6	5.20E-02	--
Selenium	778-249-2	1.40E-04	--
Styrene	100-42-5	--	3.85E-04

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<b>STANDARD NO. 8 – DE MINIMIS AIR TOXIC EMISSION RATES (lb/hr)</b>			
<b>POLLUTANT</b>	<b>CAS #</b>	<b>STACK ID</b>	
		<b>Production = EP01</b>	<b>LOSL</b>
2,3,7,8-TCDD	1746-01-6	8.40E-11	--
Tetrachloroethene	127-18-4	--	1.28E-04
o-Xylene	95-47-6	--	4.11E-03
Xylene	1330-20-7	8.00E-02	1.66E-02