



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

August 5, 2013

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

RE: Notice of Permit Coverage
The Lane Construction Company – Orangeburg Asphalt Plant
Permit Number: 9900-0088

Dear Mr. Howell:

The Department has renewed the Bureau of Air Quality's General Conditional Major Operating Permit for Asphalt Plants ("General Permit"). The renewed permit was issued on July 15, 2013 and will be valid through June 30, 2018. This permit supersedes any previous construction and/or operating permit issued to your facility. Your facility's coverage under the terms and conditions of this permit begins on August 5, 2013.

A copy of the General Permit and your facility's attachment(s) are enclosed with this letter. It is your responsibility to comply with all the requirements of this General Permit. The Department may conduct periodic inspections of your facility to determine compliance with the requirements of the General Permit. Any violations found during these inspections may result in an enforcement action. Therefore, it is incumbent upon you to ensure you are in compliance with the General Permit at all times. It is important for you to read this issued permit carefully and to understand all requirements. If any errors or emissions are found, immediately notify Kirk Schneider of my staff, via e-mail at Schneikg@dhec.sc.gov, or call (803) 898-4023.

If your facility no longer requires this permit, please submit DHEC Form D-2374 ("Permit Cancellation / Temporary Closure") to cancel your coverage under the General Permit. If coverage is not cancelled, you are responsible for all annual General Permit fees.

In the event, you disagree with the decision to approve the General Permit, or the terms and conditions of the General 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: 9900-0088
ec: Tim Pearson, BEHS

ATTACHMENT A

FACILITY INFORMATION

The Lane Construction Company – Orangeburg Asphalt Plant

GCM-9900-0088

Page 1 of 3

A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 2585 Kennerly Rd.
CITY, STATE, ZIP FACILITY IS LOCATED IN: Orangeburg, SC 29115
COUNTY FACILITY IS LOCATED IN: Orangeburg

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)	2006	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	2006	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}

ATTACHMENT A

FACILITY INFORMATION
The Lane Construction Company – Orangeburg Asphalt Plant
GCM-9900-0088
Page 2 of 3

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
FOT-1	20,000 gallon No.5 Recycled Fuel Oil Storage Tank	2006	Air Permitting Exemption List
FOT-2	12,000 gallon No.2 Fuel Oil Storage Tank	2006	Air Permitting Exemption List
AAT	2,000 gallon Asphalt Additive Storage Tank	1985	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-1	6,000 gallon Liquid Asphalt Cement Storage Tank No.1	1985	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-2	30,000 gallon Liquid Asphalt Cement Storage Tank No.2	2006	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-3	20,000 gallon Liquid Asphalt Cement Storage Tank No.3	2006	SC Regulation 61-62.1, Section II(B)(2)(h)
HOH	1.26E+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Fuels	2006	SC Regulation 61-62.1, Section II(B)(2)(h)
RAPU	225 tph Reclaimed Asphalt Paving Unit	2006	SC Regulation 61-62.1, Section II(B)(2)(h)

F - ADDITIONAL CONDITIONS		
<p>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.</p>		
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 align="right">SCDHEC – BAQ Asbestos Section 2600 Bull Street Columbia, SC 29201</p>

ATTACHMENT B

MODELED EMISSION RATES The Lane Construction Company – Orangeburg Asphalt Plant GCM-9900-0088 Page 1 of 3

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
Asphalt Plant (Baghouse)	6.90	--	17.40	16.50	39.00	--	--

STANDARD NO. 7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)				
STACK ID	Minor Source Baseline Date(s)			
	5/23/1980	3/28/12	5/23/1980	9/4/1991
	PM₁₀	PM_{2.5}	SO₂	NO_x
Asphalt Plant (Baghouse)	6.90	--	17.40	16.50

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Acrolein	Benzene	Formaldehyde	Mercury
	107-02-0	71-43-2	50-00-0	743-997-6
Asphalt Plant (Baghouse) EP01	0.0078	0.1170	0.9300	0.0008
EP02A	--	0.0006	0.0084	--
EP02B	--	0.0002	0.0004	--
EP03A	--	0.0006	0.0084	--
EP03B	--	0.0002	0.0004	--
EP04A	--	0.0006	0.0084	--
EP04B	--	0.0002	0.0004	--

ATTACHMENT B

MODELED EMISSION RATES The Lane Construction Company – Orangeburg Asphalt Plant GCM-9900-0088 Page 2 of 3

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (LBS/HR)				
STACK ID	Nickel	Polycyclic Organic Matter (POM)	Propionaldehyde	Quinone
	744-002-0	N/A	123-38-6	106-51-4
Asphalt Plant (Baghouse) EP01	0.0189	0.2650	0.0390	0.0480
EP02A	--	0.0029	--	--
EP02B	--	0.0020	--	--
EP03A	--	0.0029	--	--
EP03B	--	0.0020	--	--
EP04A	--	0.0029	--	--
EP04B	--	0.0020	--	--

STANDARD NO. 8 – TOXIC AIR POLLUTANTS LEVEL I DE MINIMIS ANALYSIS				
POLLUTANT	CAS NUMBER	EMISSION RATE (lb/day)	DE MINIMIS (lb/day)	PASS (Y or N)
Acetaldehyde	75-07-0	9.360	21.600	Y
Arsenic	744-038-2	0.004	0.012	Y
Cadmium	744-043-9	0.003	0.003	Y
Carbon Disulfide	75-15-0	0.018	1.800	Y
Cobalt	744-048-4	0.000	0.003	Y
Cumene	98-82-8	0.033	0.108	Y
Ethyl Chloride	75-00-3	0.004	316.800	Y
Ethylbenzene	100-41-4	1.845	52.200	Y
Hexane	110-54-3	6.757	10.800	Y
Hexavalent Chromium	1854-029	0.003	0.030	Y
Hydrochloric Acid	7467-01-0	1.512	2.100	Y
Manganese	743-996-5	0.055	0.300	Y

ATTACHMENT B

MODELED EMISSION RATES
The Lane Construction Company – Orangeburg Asphalt Plant
GCM-9900-0088
Page 3 of 3

STANDARD NO. 8 – TOXIC AIR POLLUTANTS LEVEL I DE MINIMIS ANALYSIS				
POLLUTANT	CAS NUMBER	EMISSION RATE (lb/day)	DE MINIMIS (lb/day)	PASS (Y or N)
Methyl Ethyl Ketone	78-93-3	0.240	177.000	Y
Methyl Bromide	74-83-9	0.014	1.200	Y
Methyl Chloride	74-87-3	0.048	6.180	Y
Methyl Chloroform	71-55-6	0.346	114.600	Y
Methylene Chloride	75-09-2	0.000	105.000	Y
Napthalene	91-20-3	4.744	15.000	Y
Phenol	108-95-2	0.029	2.280	Y
Selenium	778-249-2	0.003	0.012	Y
Styrene	100-42-5	0.007	63.900	Y
2,3,7,8-Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	0.000	0.000	Y
2,2,4-Trimethylpentane	540-84-1	0.289	105.000	Y
Tetrachloroethene	127-18-4	0.002	40.200	Y
Toluene	108-88-3	20.997	24.000	Y
o-Xylene	95-47-6	0.074	52.200	Y
Xylene	1330-20-7	1.738	52.200	Y