

#### 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 - CMI Portable Asphalt Plant

Permit Number: 9900-0339

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: 9900-0339 ec: Shane Johnson, BEHS

### **ATTACHMENT A**

### **FACILITY INFORMATION**

## The Lane Construction Company - CMI Portable Asphalt Plant GCM-9900-0339 Page 1 of 2

### A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

### **B - FACILITY PHYSICAL ADDRESS**

FACILITY STREET ADDRESS: 244 Remount Lane CITY, STATE, ZIP FACILITY IS LOCATED IN: Walterboro, SC 29488

COUNTY FACILITY IS LOCATED IN: Colleton

#### C - FACILITY EQUIPMENT Equipment **Installation Date/** Control **Equipment Description** ĪD **Modification Date Device ID** 400 tph Drum Mix Asphalt Plant AP 1999 BH (40CFR60 Subpart I Applicable) 120E+06 Btu/hr Asphalt Plant Dryer Burner No.2 Fuel Oil (Maximum Sulfur Content 0.5%) and No.5 DB 1999 BHRecycled Fuel Oil (Maximum Sulfur Content 2.0%) as Burner Fuels LS Lime Silo 1999 BV

D - FACILITY CONTROL DEVICES						
Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled			
ВН	Reverse Air Baghouse	1999	PM, PM <sub>10</sub> , PM <sub>2.5</sub>			
BV	Bin Vent Baghouse	1999	PM, PM <sub>10</sub> , PM <sub>2.5</sub>			

E - FACILITY EXEMPT EQUIPMENT								
Equipment ID	Source Description	<b>Installation Date</b>	Basis					
LAT	30,000 gallon Liquid Asphalt Tank	1999	SC Regulation 61-62.1, Section II(B)(2)(h)					
FOT-1	20,000 gallon No.5 Fuel Oil Tank	1999	Air Permitting Exemption List					
FOT-2	2,000 gallon No.2 Fuel Oil Tank	N/A	Air Permitting Exemption List					
НОН	1.80E+06 Btu/hr Hot Oil Heater No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as fuels	1999	SC Regulation 61-62.1, Section II(B)(2)(h)					

## ATTACHMENT A

## **FACILITY INFORMATION**

## The Lane Construction Company - CMI Portable Asphalt Plant GCM-9900-0339 Page 2 of 2

## 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	(June 21, 2012 Emissions Testing) Asphalt production is limited to 342 tph. Increase in the production rate up to the rated production of 400 tph will require retesting to demonstrate compliance with applicable requirements.
		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.  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.
F.2	AP	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.
		SCDHEC – BAQ Asbestos Section 2600 Bull Street
		Columbia, SC 29201

RECORD OF REVISIONS						
<b>Revision Date</b>	Revision Date Description of Change					

### **ATTACHMENT B**

## MODELED EMISSION RATES The Lane Construction Company - CMI Portable Asphalt Plant GCM-9900-0339 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 PM <sub>10</sub> PM <sub>2.5</sub> SO <sub>2</sub> NO <sub>x</sub> CO Lead							
EP01	9.20	1.16	23.20	22.00	52.00	Exempt	

STANDARD NO.7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)					
	Minor Source Baseline Date(s)				
STACK ID	11/30/1977	11/30/1977	03/07/1989		
	$PM_{10}$	SO <sub>2</sub>	NO <sub>x</sub>		
EP01	9.20	23.20	22.00		

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)							
CITA CIV. ID	Acrolein	Acrolein Benzene Cadmiur		Formaldehyde			
STACK ID	107-02-8	71-43-2	7440-43-9	50-00-0			
EP01	0.0104	0.156	0.000164	1.24			
EP04A		0.00156		0.03364			
EP05A		0.000865		0.00210			

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)							
STACK ID	Hexane	xane Mercury Nickel		Polycyclic Organic Matter			
STACKID	110-54-3	7439-97-6	7440-02-0	-			
EP01	0.368	0.00104	0.0252	0.35393			
EP04A	0.00491			0.011587			
EP05A	0.0026			0.0080934			

## ATTACHMENT B

# MODELED EMISSION RATES The Lane Construction Company - CMI Portable Asphalt Plant GCM-9900-0339 Page 2 of 3

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)							
STACK ID	Propionaldehyde	Quinone	Toluene				
STACKID	123-38-6	106-51-4	108-88-3				
EP01	0.052	0.0641	1.16				
EP04A			0.00302				
EP05A			0.00351				

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	12.480	21.600	Y		
Arsenic	7440-38-2	0.005	0.012	Y		
Acrolein	107-02-8	0.250	0.015	N		
Benzene	71-43-2	3.802	1.800	N		
Cadmium	7440-43-9	0.004	0.003	N		
Carbon Disulfide	75-15-0	0.024	1.800	Y		
Chromium (+6) Compounds	+	0.005	0.030	Y		
Cobalt	7440-48-4	0.000	0.003	Y		
Cumene	98-82-8	0.044	0.108	Y		
Ethyl Chloride	75-00-3	0.005	316.800	Y		
Ethylbenzene	100-41-4	2.460	52.200	Y		
Formaldehyde	50-00-0	30.602	0.180	N		
Hexane	110-54-3	9.009	10.800	Y		
Hydrochloric Acid	7467-01-0	2.016	2.1	Y		
Manganese Compounds	+	0.074	0.300	Y		
Methyl Ethyl Ketone	78-93-3	0.257	177.000	Y		
Mercury	7439-97-6	0.025	0.003	N		

## ATTACHMENT B

# MODELED EMISSION RATES The Lane Construction Company - CMI Portable Asphalt Plant GCM-9900-0339 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 Bromide	74-83-9	0.010	1.200	Y			
Methyl Chloride	74-87-3	0.033	6.180	Y			
Methyl Chloroform	71-55-6	0.461	114.600	Y			
Methylene Chloride	75-09-2	0.000	105.000	Y			
Naphthalene	91-20-3	6.325	15.000	Y			
Nickel	7440-02-0	0.605	0.006	N			
Phenol	108-95-2	0.039	2.280	Y			
Polycyclic Organic Matter	+	8.967	1.920	N			
Propionaldehyde	123-38-6	1.248	+	N			
Quinone	106-51-4	1.536	0.024	N			
Selenium Compounds	+	0.003	0.012	Y			
Styrene	100-42-5	0.009	63.900	Y			
Tetrachloroethylene	127-18-4	0.003	40.200	Y			
2,3,7,8-Tetrachlorinated Dibenzo-p- dioxins	1746-01-6	0.000	0.000	Y			
2,2,4-Trimethylpentane	540-84-1	0.385	105.000	Y			
Toluene	108-88-3	27.996	24.000	N			
Xylene	1330-20-7	2.318	52.200	Y			