



Catherine B. Templeton, Director

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

August 5, 2013

Mr. Collin Douglass  
Sloan Construction Company, A Division of Reeves Construction Company  
101 Sheraton Ct.  
Macon, GA 31210

RE: Notice of Permit Coverage  
Sloan Construction Company, Inc. - Cayce Plant  
Permit Number: 9900-0060

Dear Mr. Douglass:

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](mailto: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: 9900-0060  
ec: Ben Buchanan, BEHS

# ATTACHMENT A

## FACILITY INFORMATION

### Sloan Construction Company, Inc. - Cayce Plant

### GCM-9900-0060

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#### A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

#### B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 600 Taylor Street  
 CITY, STATE, ZIP FACILITY IS LOCATED IN: Cayce, SC 29033  
 COUNTY FACILITY IS LOCATED IN: Lexington

C - FACILITY EQUIPMENT			
Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID
AP	300 tph Drum Mix Asphalt Plant (40CFR60 Subpart I Applicable)	1991	BH
DB	96.8E+06 Btu/hr Dryer Burner Natural Gas, No.4 Fuel Recycled Fuel Oil (Maximum Sulfur Content 1.5%) and No.5 Recycled Fuel Oil (Maximum Sulfur Content 2.0%) as Burner Fuels	1995	BH
LS	Lime Silo	1991	BV
HOH	2.187E+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Fuels	2000	None

D - FACILITY CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
BH	Pulse Jet Baghouse	1991	PM, PM <sub>10</sub> , PM <sub>2.5</sub>
BV	Bin Vent Baghouse	1991	PM, PM <sub>10</sub> , PM <sub>2.5</sub>

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
FOT-1	2,500 gallon No.2 Fuel Oil Storage Tank	2000	Air Permitting Exemption List
FOT-2	20,000 gallon No.4 or No.5 Fuel Oil Storage Tank	2006	Air Permitting Exemption List
AST-1	30,000 gallon Asphalt Cement Tank	2006	SC Regulation 61-62.1, Section II(B)(2)(h)
AST-2	30,000 gallon Asphalt Cement Tank	2006	SC Regulation 61-62.1, Section II(B)(2)(h)
RAPS	Recycled Asphalt Pavement System (2 bins , 2 conveyor belts and 1 screen)	2000	SC Regulation 61-62.1, Section II(B)(2)(h)



**ATTACHMENT B**

**MODELED EMISSION RATES  
Sloan Construction Company, Inc. - Cayce 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>AMBIENT AIR QUALITY STANDARDS - STANDARD NO.2</b>							
<b>Emission Point ID</b>	<b>PM<sub>10</sub> (lb/hr)</b>	<b>PM<sub>2.5</sub> (lb/hr)</b>	<b>SO<sub>2</sub> (lb/hr)</b>	<b>NO<sub>x</sub> (lb/hr)</b>	<b>CO (lb/hr)</b>	<b>Lead (lb/hr)</b>	<b>HF (lb/hr)</b>
Hot Mix Drum Asphalt Plant	6.90	--	17.40	16.50	39.0	---	---

<b>CLASS II PREVENTION OF SIGNIFICANT DETERIORATION - STANDARD NO. 7</b>				
<b>STACK ID</b>	<b>Minor Source Baseline Date(s)</b>			
	<b>3/20/2000</b>	<b>None</b>	<b>5/23/1996</b>	<b>5/23/1996</b>
	<b>PM<sub>10</sub> (lb/hr)</b>	<b>PM<sub>2.5</sub> (lb/hr)</b>	<b>SO<sub>2</sub> (lb/hr)</b>	<b>NO<sub>x</sub> (lb/hr)</b>
Hot Mix Drum Asphalt Plant	6.900	--	17.40	16.500

<b>TOXIC AIR POLLUTANTS MODELED - STANDARD NO.8</b>				
<b>Emission Point ID</b>	<b>Acrolein 107-02-7 (lb/hr)</b>	<b>Benzene 71-43-2 (lb/hr)</b>	<b>Formaldehyde 50-00-0 (lb/hr)</b>	<b>Mercury 7439-97-6 (lb/hr)</b>
Hot Mix Drum Asphalt Plant	0.0078	0.1188	<b>0.9563</b>	<b>0.0008</b>

<b>TOXIC AIR POLLUTANTS MODELED - STANDARD NO.8</b>				
<b>Emission Point ID</b>	<b>Nickel 7440-02-0 (lb/hr)</b>	<b>Polycyclic Organic Matter (lb/hr)</b>	<b>Propionalde-hyde (lb/hr)</b>	<b>Quinone (lb/hr)</b>
Hot Mix Drum Asphalt Plant	0.0189	0.2802	0.0390	0.0480

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**MODELED EMISSION RATES**  
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<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>			
<b>FACILITY-WIDE LEVEL I DE MINIMIS EMISSION RATES</b>			
<b>Pollutant Controlled</b>	<b>CAS #</b>	<b>Emission Rate (lb/day)</b>	<b>De Minimis (lb/day)</b>
Acetaldehyde	75-07-0	9.360	21.600
Arsenic	744-038-2	0.004	0.012
Cadmium	744-043-9	0.003	0.003
Carbon Disulfide	75-15-0	0.018	1.800
Cobalt	744-048-4	0.000	0.003
Cumene	98-82-8	0.033	0.108
Ethyl Chloride	75-00-3	0.004	316.800
Ethylbenzene	100-41-4	1.845	52.200
Hexane	110-54-3	6.757	10.800
Hexavalent Chromium	1854-029-9	0.003	0.030
Hydrochloric Acid	7467-01-0	1.512	2.100
Manganese	743-996-5	0.055	0.300
Methyl Bromide	74-83-9	0.007	1.200
Methyl Chloride	74-87-3	0.025	6.180
Methyl Chloroform	71-55-6	0.346	114.600
Methylene Chloride	75-09-2	0.000	105.000
Methyl Ethyl Ketone	743-93-3	0.193	177.00
Naphthalene	91-20-3	4.744	15.000
o-Xylene	95-47-6	0.074	52.200
Phenol	108-95-2	0.029	2.280
Selenium	778-249-2	0.003	0.012
Styrene	100-42-5	0.007	63.900

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<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8</b>			
<b>FACILITY-WIDE LEVEL I DE MINIMIS EMISSION RATES</b>			
<b>Pollutant Controlled</b>	<b>CAS #</b>	<b>Emission Rate (lb/day)</b>	<b>De Minimis (lb/day)</b>
Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	20.997	24.000
Tetrachloroethene	127-18-4	0.002	40.200
Toluene	108-88-3	20.997	24.000
2,2,4-Trimethylpentane	540-84-1	0.289	105.00
Xylene	1330-20-7	1.738	52.200