



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

August 5, 2013

Ms. Lori Wood
Sanders Brothers Construction Company Inc.
PO Box 60969
North Charleston SC 29419-0969

RE: Notice of Permit Coverage
Sanders Brothers Construction Co., Inc. - Summerville Plant
Permit Number: 9900-0227

Dear Ms. Wood:

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: 9900-0227
ec: Mark Hiott, BEHS

ATTACHMENT A

FACILITY INFORMATION
Sanders Brothers Construction Co., Inc. - Summerville Plant
GCM-9900-0227
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A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 2142 Asphalt Drive
 CITY, STATE, ZIP FACILITY IS LOCATED IN: Summerville, SC 29483
 COUNTY FACILITY IS LOCATED IN: Berkeley

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)	1995	BH
DB	116E+06 Btu/hr Asphalt Plant Dryer Burner LPG Propane and Natural Gas as Burner Fuels	1995	BH
LS	Lime Silo	1995	BV

D - FACILITY CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
BH	Pulse Jet Baghouse	1995	PM, PM ₁₀ , PM _{2.5}
BV	Bin Vent Baghouse	1995	PM, PM ₁₀ , PM _{2.5}

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
LAT-1	250,000 lb Liquid Asphalt Tank No.1	1996	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-2	250,000 lb Liquid Asphalt Tank No.2	1996	SC Regulation 61-62.1, Section II(B)(2)(h)
PRT	30,000 gallon LPG Propane Tank	1996	Air Permitting Exemption List
HOH	2.4E+06 Btu/hr Hot Oil Heater LPG Propane as fuel	1995	SC Regulation 61-62.1, Section II(B)(2)(h)

ATTACHMENT B

MODELED EMISSION RATES Sanders Brothers Construction Co., Inc. - Summerville Plant GCM-9900-0227 Page 1 of 4

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	11.500	1.450	1.700	13.000	65.000	--	--

STANDARD NO.7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)				
STACK ID	Minor Source Baseline Date(s)			
	11/30/77	N/A	11/30/77	3/7/89
	PM₁₀	PM_{2.5}	SO₂	NO_x
EP01	11.500	--	1.700	13.000

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Benzene	Cadmium	Formaldehyde	Hexane
	71-43-2	744-043-9	50-00-0	110-54-3
EP01	0.198	0.002	1.5939	0.4692 ¹
EP02A	6.50E-04	--	0.014015	0.00203
EP02B	3.60E-04	--	6.10E-04	0.00104
EP03A	6.50E-04	--	0.014015	0.00203
EP03B	3.60E-04	--	6.10E-04	0.00104
EP04A	6.50E-04	--	0.014015	0.00203
EP04B	3.60E-04	--	6.10E-04	0.00104

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STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)		
STACK ID	Nickel	POMs
	744-002-0	varies
EP01	0.0315	0.1183
EP02A	--	0.004828
EP02B	--	0.003373
EP03A	--	0.004825
EP03B	--	0.003373
EP04A	--	0.004825
EP04B	--	0.003373

STANDARD NO. 8 – POM EMISSION RATES (lb/hr)			
POLLUTANT	CAS #	STACK ID	
		Production = EP01	LOSL
Acenaphthene	83-32-9	1.74E-03	1.04E-03
Acenaphthylene	208-96-8	4.37E-03	6.55E-05
Anthracene	120-12-7	3.94E-04	2.84E-04
Benzo(a)anthracene	56-55-3	2.08E-04	1.03E-04
Benzo(a)pyrene	50-32-8	8.04E-05	3.92E-06
Benzo(b)fluoranthene	205-99-2	2.43E-05	1.29E-05
Benzo(e)pyrene	192-97-2	8.04E-05	2.54E-05
Benzo(g,h,i)perylene	191-24-2	2.32E-05	3.24E-06
Benzo(k)fluoranthene	207-08-9	2.42E-05	3.75E-06
Chrysene	218-01-9	5.32E-04	4.42E-04
Dibenz(a,h)anthracene	53-70-3	6.31E-07	6.31E-07
Fluoranthene	206-44-0	5.81E-04	2.76E-04

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STANDARD NO. 8 – POM EMISSION RATES (lb/hr)			
POLLUTANT	CAS #	STACK ID	
		Production = EP01	LOSL
Fluorene	86-73-7	4.49E-03	2.59E-03
Indeno(1,2,3-cd)pyrene	193-39-5	4.30E-06	8.01E-07
2-Methylnaphthalene	91-57-6	4.77E-02	1.07E-02
Naphthalene	91-20-3	4.94E-02	4.44E-03
Perylene	198-55-0	8.00E-05	7.56E-05
Phenanthrene	85-01-8	7.47E-03	3.67E-03
Pyrene	129-00-0	1.08E-03	8.14E-04

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)
Acrolein	107-02-8	0.000	0.015	Y
Arsenic	744-038-2	0.007	0.012	Y
Carbon Disulfide	75-15-0	0.030	1.800	Y
Cobalt	744-048-4	0.000	0.003	Y
Cumene	98-82-8	0.055	0.108	Y
Ethyl Chloride	75-00-3	0.006	316.800	Y
Ethylbenzene	100-41-4	3.075	52.200	Y
Hexavalent chromium	1854-029-9	0.005	0.030	Y
Hydrochloric Acid	7467-01-0	0.000	2.100	Y
Manganese	743-996-5	0.092	0.300	Y
MEK	78-93-3	0.081	177.000	Y
Mercury	743-997-6	0.003	0.003	Y
Methyl Bromide	74-83-9	0.012	1.200	Y

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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 Chloride	74-87-3	0.041	6.180	Y
Methyl chloroform	71-55-6	0.576	114.600	Y
Methylene Chloride	75-09-2	0.000	105.000	Y
Naphthalene	91-20-3	1.187	15.000	Y
Phenol	108-95-2	0.048	2.280	Y
Propionaldehyde	123-38-6	0.000	+	Y
Quinone	106-51-4	0.000	0.024	Y
Selenium	778-249-2	0.004	0.012	Y
Styrene	100-42-5	0.012	63.900	Y
2,3,7,8-Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	0.000	0.000	Y
Tetrachloroethene	127-18-4	0.004	40.200	Y
Toluene	108-88-3	1.995	24.000	Y
2,2,4-Trimethylpentane	540-84-1	0.481	105.000	Y
o-Xylene	95-47-6	0.123	52.200	Y
Xylene	1330-20-7	2.897	52.200	Y