



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

August 5, 2013

Mr. Gene Sartain
Satterfield Construction Company, Inc.
P.O. Box 279
Greenwood SC 29648

RE: Notice of Permit Coverage
Satterfield Construction Company, Inc. - Eureka Plant
Permit Number: 9900-0046

Dear Mr. Sartain:

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: 9900-0046
ec: Mark Harvley, BEHS

ATTACHMENT A

FACILITY INFORMATION Satterfield Construction Company, Inc. - Eureka Plant GCM-9900-0046 Page 1 of 2

A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 275 Johnson Highway
CITY, STATE, ZIP FACILITY IS LOCATED IN: Greenwood, SC 29801
COUNTY FACILITY IS LOCATED IN: Greenwood

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)	2004	BH
DB	110E+06 Btu/hr Asphalt Plant Dryer Burner Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Burner Fuels	2004	BH
LS	Lime Silo	2004	BV

D - FACILITY CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
BH	Pulse Jet Baghouse	2004	PM, PM ₁₀ , PM _{2.5}

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
FOT-1	20,000 gallon No.2 Fuel Oil Storage Tank	2004	Air Permitting Exemption List
FOT-2	3,000 gallon No.2 Fuel Oil Storage Tank	2004	Air Permitting Exemption List
FOT-3	4,000 gallon No.2 Fuel Oil Storage Tank	2013	Air Permitting Exemption List
BOT-1	280 gallon Bulk Oil Storage Tank	2013	Air Permitting Exemption List
BOT-2	280 gallon Bulk Oil Storage Tank	2013	Air Permitting Exemption List
LA-1	30,000 gallon Liquid Asphalt Storage Tank	2004	SC Regulation 61-62.1, Section II(B)(2)(h)
LA-2	30,000 gallon Liquid Asphalt Storage Tank	2008	SC Regulation 61-62.1, Section II(B)(2)(h)
HOH-1	1.2E+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Fuels	2004	SC Regulation 61-62.1, Section II(B)(2)(h)

ATTACHMENT B

MODELED EMISSION RATES Satterfield Construction Company, Inc. - Eureka Plant GCM-9900-0046 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.

AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2							
Emission Point ID	PM ₁₀ (lb/hr)	PM _{2.5} (lb/hr)	SO ₂ (lb/hr)	NO _x (lb/hr)	CO (lb/hr)	Lead (lb/hr)	HF (lb/hr)
EP01	9.20	1.16	4.4	22.00	52.00	--	--

TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8				
Emission Point ID	Benzene 71-43-2 (lb/hr)	Cadmium 744-043-9 (lb/hr)	Formaldehyde 50-00-0 (lb/hr)	Mercury 743-997-6 (lb/hr)
EP01	0.158	1.64E-04	1.28	1.04E-03
EP02A	5.20E-04	--	0.004	--
EP02B	2.88E-04	--	0.001	--
EP03A	5.20E-04	--	0.004	--
EP03B	2.88E-04	--	0.001	--
EP04A	5.20E-04	--	0.004	--
EP04B	2.88E-04	--	0.001	--

TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8			
Emission Point ID	Nickel 744-002-0 (lb/hr)	POM (lb/hr)	Toluene 108-88-3 (lb/hr)
EP01	0.0252	3.74E-01	1.167
EP02A	--	0.0010	0.0039
EP02B	--	0.0027	0.0012
EP03A	--	0.0010	0.0039
EP03B	--	0.0027	0.0012
EP04A	--	0.0010	0.0039
EP04B	--	0.0027	0.0012

ATTACHMENT B**MODELED EMISSION RATES
Satterfield Construction Company, Inc. - Eureka Plant
GCM-9900-0046
Page 2 of 3**

TOXIC AIR POLLUTANTS - STANDARD NO. 8 FACILITY-WIDE LEVEL I DE MINIMIS ANALYSIS			
POLLUTANT	CAS #	Emission Rate (lb/day)	De Minimis (lb/day)
Acetaldehyde	75-07-0	0.000	21.600
Acrolein	107-02-8	0.000	0.015
Arsenic	744-038-2	0.005	0.012
Carbon Disulfide	75-15-0	0.024	1.800
Cobalt	744-048-4	0.000	0.003
Cumene	98-82-8	0.044	0.108
Ethyl Chloride	75-00-3	0.005	316.800
Ethylbenzene	100-41-4	2.460	52.200
Hexane	110-54-3	9.009	10.800
Hexavalent chromium	1854-029-9	0.004	0.030
Hydrochloric Acid	7467-01-0	0.000	2.100
Manganese	743-996-5	0.074	0.300
MEK	78-93-3	0.065	177.000
Methyl Bromide	74-83-9	0.010	1.200
Methyl Chloride	74-87-3	0.033	6.180
Methyl chloroform	71-55-6	0.461	114.600
Methylene Chloride	75-09-2	0.000	105.000
Naphthalene	91-20-3	6.325	15.000
Phenol	108-95-2	0.039	2.280
Propionaldehyde	123-38-6	0.000	+
Quinone	106-51-4	0.000	0.024
Selenium	778-249-2	0.003	0.012
Styrene	100-42-5	0.009	63.900
2,3,7,8-TCDD	1746-01-6	0.000	0.0005

ATTACHMENT B

MODELED EMISSION RATES
Satterfield Construction Company, Inc. - Eureka Plant
GCM-9900-0046
Page 3 of 3

TOXIC AIR POLLUTANTS - STANDARD NO. 8			
FACILITY-WIDE LEVEL I DE MINIMIS ANALYSIS			
POLLUTANT	CAS #	Emission Rate (lb/day)	De Minimis (lb/day)
Tetrachloroethene	127-18-4	0.003	40.200
2,2,4-Trimethylpentane	540-84-1	0.385	105.000
o-Xylene	95-47-6	0.099	52.200
Xylene	1330-20-7	2.318	52.200