



Catherine B. Templeton, Director

Promoting and protecting the health of the public and the environment

September 17, 2013

Scott Reeves
F&R Asphalt Inc.
P.O. Box 528
Easley, SC 29641

RE: Modification of Attachment A for the General Conditional Major Operating Permit for Asphalt Plants
F & R Asphalt, Inc. - Gaffney Plant
Permit Number: 9000-0373

Dear Mr. Reeves:

Enclosed is Attachment A to GCM-9900-0373. This modified permit has the same expiration date as the previous General Conditional Major Operating Permit for Asphalt Plants and will remain valid through June 30, 2018. This modified permit is being issued to incorporate changes into your existing permit as described in the enclosed "Record of Revisions."

Please be advised that this facility's periodic reporting period is not affected by this modification. In addition, there have been no changes to the General Conditional Major for Asphalt Plants. It has not been included and you should retain the copy you were previously issued.

It is important for you and/or an authorized representative responsible for the overall operation of this facility to read this issued permit carefully and to understand all requirements. If any errors or omissions are discovered, please notify Kirk Schneider, (803) 898-4023 or e-mail at schneikg@dhec.sc.gov promptly if any are discovered.

In the event, you disagree with the modification to the 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/shb:kal
Enclosure

cc: Permit File: 9900-0373
ec: Johnny Hall, BEHS

ATTACHMENT A

**FACILITY INFORMATION
F & R Asphalt, Inc. - Gaffney Plant
GCM-9900-0373
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A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 520 Gaffney Ferry Road
CITY, STATE, ZIP FACILITY IS LOCATED IN: Gaffney, SC 29340
COUNTY FACILITY IS LOCATED IN: Cherokee

C - FACILITY EQUIPMENT			
Equipment ID	Equipment Description	Installation Date/Modification Date	Control Device ID
AP	175 tph Drum Mix Asphalt Plant (40CFR60 Subpart I Applicable)	2001	BH
DB	72E+06 Btu/hr Asphalt Plant Dryer Burner No.2 Fuel Oil (Maximum Sulfur Content 0.5%) No.4 Recycled Oil (Maximum Sulfur Content 1.5%) as Burner Fuel	2001	BH
LS	Lime Silo	2001	BV
HOH	1.5E+06 Btu/hr Hot Oil Heater No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as fuel	N/A	None

D - FACILITY CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
BH	Pulse Jet Baghouse	2001	PM, PM ₁₀ , PM _{2.5}
BV	Bin Vent Baghouse	2001	PM, PM ₁₀ , PM _{2.5}

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
LAT-1	30,000 gallon Liquid Asphalt Tank No.1	2001	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-2	30,000 gallon Liquid Asphalt Tank No.2	2001	SC Regulation 61-62.1, Section II(B)(2)(h)
FOT	22,500 gallon No.2 Fuel Oil Tank	2001	Air Permitting Exemption List

ATTACHMENT B

MODELED EMISSION RATES F & R Asphalt, Inc. – Gaffney Plant GCM-9900-0373 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 ₁₀	PM _{2.5}	SO ₂	NO _x	CO	Lead	HF
EP01	4.03	--	10.15	9.63	22.75	--	--
HOH	--	--	1.42	--	--	--	--

STANDARD NO.7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)			
STACK ID	Minor Source Baseline Date(s)		
	6/18/1999	6/18/1999	6/18/1999
	PM ₁₀	SO ₂	NO _x
EP01	4.03	10.15	9.63
HOH	--	1.42	--

STANDARD NO. 8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Acrolein	Formaldehyde	Mercury	Nickel
	107-02-8	50-00-0	743-997-6	744-002-0
EP01	0.00455	0.5425	0.000455	0.0110
EP02A	--	0.00736	--	--
EP02B	--	0.000320	--	--
EP03A	--	0.00736	--	--
EP03B ¹	--	0.000320	--	--

ATTACHMENT B

**MODELED EMISSION RATES
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STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)		
STACK ID	POM	Quinone
	Varies	106-51-4
EP01	0.155	0.028
EP02A	0.00253	--
EP02B	0.00177	--
EP03A	0.00253	--
EP03B	0.00177	--

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	5.460	21.600	Y
Acrolein	107-02-8	0.109	0.015	N
Arsenic	744-038-2	0.002	0.012	Y
Benzene	71-43-2	1.663	1.800	Y
Cadmium	744-043-9	0.002	0.003	Y
Carbon Disulfide	75-15-0	0.010	1.800	Y
Cobalt	744-048-4	0.00011	0.003	Y
Cumene	98-82-8	0.019	0.108	Y
Ethyl Chloride	75-00-3	0.002	316.800	Y
Ethylbenzene	100-41-4	1.076	52.200	Y
Formaldehyde	50-00-0	13.389	0.180	N
Hexane	110-54-3	3.941	10.800	Y
Hexavalent chromium	1854-029-9	0.002	0.030	Y
Hydrochloric Acid	7467-01-0	0.882	2.100	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)
Manganese	743-996-5	0.032	0.300	Y
Methyl Ethyl Ketone	78-93-3	0.113	177.000	Y
Mercury	743-997-6	0.011	0.003	N
Methyl Bromide	74-83-9	0.004	1.200	Y
Methyl Chloride	74-87-3	0.014	6.180	Y
Methyl chloroform	71-55-6	0.202	114.600	Y
Methylene Chloride	75-09-2	0.00014	105.000	Y
Naphthalene	91-20-3	2.767	15.000	Y
Nickel	744-002-0	0.265	0.006	N
Phenol	108-95-2	0.017	2.280	Y
POMs Totals	various	3.923	1.920	N
Propionaldehyde	123-38-6	0.546	+	N
Quinone	106-51-4	0.672	0.024	N
Selenium	778-249-2	0.0015	0.012	Y
Styrene	100-42-5	0.0040	63.900	Y
Tetrachlorinated Dibenzo-p-dioxins (2,3,7,8-TCDD)	1746-01-6	8.82E-10	0.000	Y
Tetrachloroethene	127-18-4	0.0013	40.200	Y
2,2,4-Trimethylpentane	540-84-1	0.168	105.000	Y
Toluene	108-88-3	12.248	24.000	Y
Xylene, o-	95-47-6	0.043	52.200	Y
Xylene	1330-20-7	1.014	52.200	Y