



Catherine B. Templeton, Director

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

August 5, 2013

Walt Panagakos  
Panagakos Asphalt Paving  
P.O. Box 25699  
Greenville SC 29616

RE: Notice of Permit Coverage  
Panagakos Asphalt Paving - Gray Court  
Permit Number: 9900-0503

Dear Mr. Panagakos:

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: 9900-0503  
ec: Mark Harvley, BEHS

**ATTACHMENT A**

**FACILITY INFORMATION**  
**Panagakos Asphalt Paving - Gray Court**  
**GCM-9900-0503**  
**Page 1 of 2**

**A - APPLICABLE PERMIT DATES**

COVERAGE DATE: August 5, 2013

**B - FACILITY PHYSICAL ADDRESS**

FACILITY STREET ADDRESS: 6977 Highway 14  
CITY, STATE, ZIP FACILITY IS LOCATED IN: Gray Court, SC 29645  
COUNTY FACILITY IS LOCATED IN: Laurens

<b>C - FACILITY EQUIPMENT</b>			
<b>Equipment ID</b>	<b>Equipment Description</b>	<b>Installation Date/Modification Date</b>	<b>Control Device ID</b>
AP	300 tph Drum Mix Asphalt Plant (40CFR60 Subpart I Applicable)	2007	BH
DB	109E+06 Btu/hr Asphalt Plant Dryer Burner Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Burner Fuels	2007	BH
LS	Lime Silo	2007	BV
HOH	2.115E+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as fuels	2007	None

<b>D - FACILITY CONTROL DEVICES</b>			
<b>Control Device ID</b>	<b>Control Device Description</b>	<b>Installation Date/Modification Date</b>	<b>Pollutant(s) Controlled</b>
BH	Pulse Jet Baghouse	2007	PM, PM <sub>10</sub> , PM <sub>2.5</sub>
BV	Bin Vent Baghouse	2007	PM, PM <sub>10</sub> , PM <sub>2.5</sub>

<b>E - FACILITY EXEMPT EQUIPMENT</b>			
<b>Equipment ID</b>	<b>Source Description</b>	<b>Installation Date</b>	<b>Basis</b>
LAT	20,000 gallon Liquid Asphalt Tank	2007	SC Regulation 61-62.1, Section II(B)(2)(h)
FOT	15,000 gallon No.2 Fuel Oil Storage Tank	2007	SC Regulation 61-62.1, Section II(B)(2)(h)



## ATTACHMENT B

### MODELED EMISSION RATES Panagakos Asphalt Paving - Gray Court GCM-9900-0503 Page 1 of 2

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	HF
EP01 – Production	6.9	--	3.3	16.5	39.0	--	--
SRC2 – HOH	0.0306	--	1.07	0.302	0.174	--	--
SRC3 – Lime Silo	0.055	--	----	----	---	--	--

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb.hr)					
STACK ID	Benzene 71-43-2	Formaldehyde 50-00-0	Mercury 7440-02-0	Nickel 7439-97-6	POM
EP01	0.117	0.93	7.80E-04	0.0189	0.26544
EP02A	5.85E-04	0.0126	--	--	0.004345
EP02B	3.24E-04	5.49E-04	--	--	0.003035
EP03A	5.85E-04	0.0126	--	--	0.004345
EP03B	3.24E-04	5.49E-04	--	--	0.003035

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)
Arsenic	744-038-2	0.004	0.012	Y
Benzene	71-43-2	2.852	1.800	N
Cadmium	744-043-9	0.003	0.003	Y
Carbon Disulfide	75-15-0	0.018	1.800	Y
Cobalt	744-048-4	0.000	0.003	Y
Cumene	98-82-8	0.033	0.108	Y
Ethyl Chloride	75-00-3	0.004	316.800	Y
Ethylbenzene	100-41-4	1.845	52.200	Y

## ATTACHMENT B

### MODELED EMISSION RATES Panagakos Asphalt Paving - Gray Court GCM-9900-0503 Page 2 of 2

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)
Formaldehyde	50-00-0	22.952	0.180	N
Hexane	110-54-3	6.757	10.800	Y
Hexavalent chromium	1854-029-9	0.003	0.030	Y
Manganese	743-996-5	0.055	0.300	Y
Methyl Ethyl Ketone	78-93-3	0.049	177.000	Y
Mercury	743-997-6	0.019	0.003	N
Methyl Bromide	74-83-9	0.007	1.200	Y
Methyl Chloride	74-87-3	0.025	6.180	Y
Methyl chloroform	71-55-6	0.346	114.600	Y
Methylene Chloride	75-09-2	0.000	105.000	Y
Naphthalene	91-20-3	4.744	15.000	Y
Nickel	744-002-0	0.454	0.006	N
Phenol	108-95-2	0.029	2.280	Y
POMs Totals	various	6.725	1.920	N
Selenium	778-249-2	0.003	0.012	Y
Styrene	100-42-5	0.007	63.900	Y
Tetrachlorinated Dibenzo-p-dioxins (2,3,7,8-TCDD)	1746-01-6	1.512E-09	0.0005	Y
Tetrachloroethene	127-18-4	0.002	40.200	Y
Toluene	108-88-3	20.997	24.000	Y
2,2,4-Trimethylpentane	540-84-1	0.289	105.000	Y
o-Xylene	95-47-6	0.074	52.200	Y
Xylene	1330-20-7	1.738	52.200	Y