



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 25187
Greenville, SC 29616

RE: Notice of Permit Coverage
Panagakos Asphalt Paving
Permit Number: 9900-0362

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, 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: 9900-0362
ec: Bill Williamson, BEHS

ATTACHMENT A

FACILITY INFORMATION Panagakos Asphalt Paving GCM-9900-0362 Page 1 of 2

A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 30 Greencove Drive
 CITY, STATE, ZIP FACILITY IS LOCATED IN: Greenville, SC 29605
 COUNTY FACILITY IS LOCATED IN: Greenville

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)	2000	BH
DB	63E+06 Btu/hr Asphalt Plant Dryer Burner Natural Gas, No.2 Fuel Oil (Maximum Sulfur Content 0.5%) and Recycled No.5 Fuel Oil (Maximum Sulfur Content 2.0%) as Burner Fuels	2000	BH
LS	Lime Silo	2000	BV

D - FACILITY CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date/Modification Date	Pollutant(s) Controlled
BH	Pulse Jet Baghouse	2000	PM, PM ₁₀ , PM _{2.5}
BV	Bin Vent Baghouse	2000	PM, PM ₁₀ , PM _{2.5}

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
LAT-1	20,000 gallon Liquid Asphalt Tank No.1	2000	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-2	5,000 gallon Liquid Asphalt Tank No.2	2000	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-3	5,000 gallon Liquid Asphalt Tank No.3	2000	SC Regulation 61-62.1, Section II(B)(2)(h)
FOT	12,000 gallon No 2 Fuel Oil Tank	2002	Air Permitting Exemption List
HOH	1.4E+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as fuel	2006	SC Regulation 61-62.1, Section II(B)(2)(h)

ATTACHMENT B

MODELED EMISSION RATES

Panagakos Asphalt Paving

GCM-9900-0362

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	PM₁₀	PM_{2.5}	SO₂	NO_x	CO
EP01 (Asphalt Plant)	9.3	--	17.4	22.5	39.0
EP04A	--	--	--	--	0.1664
EP04B	--	--	--	--	0.2024
EP05A	--	--	--	--	0.1664
EP05B	--	--	--	--	0.2024

STANDARD NO.7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)			
STACK ID	Minor Source Baseline Date(s)		
	07/03/2001	07/03/2001	07/18/1995
	PM₁₀	SO₂	NO_x
EP01	--	0.6	22.5

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Acrolein	Benzene	Formaldehyde	Mercury
	107-02-8	71-43-2	50-00-0	7439-97-6
EP01	0.0078	0.117	0.930	0.00078
EP04A	--	0.0005849	0.012613	--
EP04B	--	0.0003244	0.000549	--
EP05A	--	0.0005849	0.012613	--
EP05B	--	0.0003244	0.000549	--

ATTACHMENT B

MODELED EMISSION RATES

Panagakos Asphalt Paving

GCM-9900-0362

Page 2 of 3

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Nickel	POM	Propionaldehyde	Quinone
	7440-02-0	N/A	123-38-6	106-51-4
EP01	0.0189	0.26544	0.039	0.048
EP04A	--	0.004345	--	--
EP04B	--	0.003035	--	--
EP05A	--	0.004345	--	--
EP05B	--	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)
Acetaldehyde	75-07-0	9.360	21.600	Y
Arsenic	7440-38-2	0.004	0.012	Y
Cadmium	7440-43-9	0.003	0.003	Y
Carbon Disulfide	75-15-0	0.018	1.800	Y
Chromium(+6) Compounds	+	0.003	0.030	Y
Cobalt Compounds	+	0.000	0.003	Y
Cumene	98-82-8	0.033	0.108	Y
Ethyl Benzene	100-41-4	1.845	52.200	Y
Ethyl Chloride	75-00-3	0.004	316.800	Y
Hexane	110-54-3	6.757	10.800	Y
Hydrochloric Acid	7647-01-0	1.512	2.100	Y
Manganese Compounds	+	0.055	0.300	Y
Methyl Bromide	74-83-9	0.007	1.200	Y
Methyl Chloride	74-87-3	0.025	6.180	Y
Methyl Chloroform (1,1,1-Trichloroethane)	71-55-6	0.346	114.600	Y

ATTACHMENT B

MODELED EMISSION RATES

Panagakos Asphalt Paving

GCM-9900-0362

Page 3 of 3

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 Ethyl Ketone (2-Butone)	78-93-3	0.193	177.000	Y
Methylene Chloride	75-09-2	0.000	105.000	Y
Naphthalene	91-20-3	4.744	15.000	Y
Phenol	108-95-2	0.029	2.280	Y
Selenium Compounds	+	0.003	0.012	Y
Styrene	100-42-5	0.007	63.900	Y
Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	0.000	0.000	Y
Tetrachloroethylene	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
Xylene	1330-20-7	1.738	52.200	Y
o-Xylene	95-47-6	0.074	52.200	Y