D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

July 2, 2015

Joe Reynolds
PO Box 5227
Columbia, SC 29250

RE: Notice of Permit Coverage
Associated Asphalt Columbia, LLC
Permit Number: 9900-0025

Dear Mr. Reynolds:

Enclosed is the General Conditional Major Operating Permit for Asphalt Plants ("General Permit") for the above referenced facility. The federally enforceable emissions limitations and operational requirements contained within this General Permit are designed to restrict this facility's potential to emit to below major source thresholds. The permit was issued on July 15, 2013 and will be valid through June 30, 2018. Your facility's coverage under the terms and conditions of this permit begins on July 2, 2015.

Abbreviated periodic reports shall be completed and submitted in accordance with the previous permit's conditions and shall cover the interim period between the previous permit reporting period and the renewed permit reporting period. Reports required under the terms and conditions of the General Permit must be completed and submitted in a timely manner.

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 omissions are found, immediately notify Hetal Patel of my staff, via email at patelhy@dhec.sc.gov, or call (803) 898-3850.

Pursuant to the South Carolina Administrative Procedures Act, any Department decision involving the issuance, denial, renewal, suspension or revocation of a permit may be appealed by the applicant, permittee, licensee, and/or affected persons. Please see the enclosed "Guide to Board Review" for guidelines on filing an appeal.

Sincerely,

Elizabeth J. Basil
Director, Engineering Services Division
Bureau of Air Quality

EJB:jsd:el
Enclosure
cc: Permit File: 9900-0025

ec: Ben Buchanan, BEHS

ATTACHMENT - FACILITY INFORMATION

Associated Asphalt Columbia, LLC
GCM-9900-0025
Page 1 of 5

APPLICABLE PERMIT DATES

COVERAGE DATE: July 2, 2015

FACILITY PHYSICAL ADDRESS

FACILITY NAME: Associated Asphalt Columbia t/a Colprovia Asphalts
STREET ADDRESS: 1119 Airport Boulevard
CITY, STATE, ZIP: Columbia, SC 29205
COUNTY: Richland

FACLITY NAME: Associated Asphalt Columbia t/a Seaco Asphalt Emulsions
STREET ADDRESS: 2700 William Tuller Drive
CITY, STATE, ZIP: Columbia, SC 29205
COUNTY: Richland

ASPHALT PLANT INFORMATION

Equipment ID	Equipment Description	Installation / Modification Date	Control Device ID
AP	130 TPH Drum Cold Mix Asphalt Plant	1985	SCRUB
DB	27.1 million BTU/hr Dryer Burner	1985	SCRUB
B-1	2.06 million BTU/hr Boiler	1984	None

FUEL FIRED SOURCES

Equipment ID	Equipment Description	Fuels	Maximum Sulfur Content (%)
DB	27.1 million BTU/hr Dryer Burner	Natural Gas	N/A
		No. 2 Fuel Oil	0.5
B-1	2.06 million BTU/hr Boiler	No. 2 Fuel Oil	0.5

CONTROL DEVICES

Control Device ID	Control Device Description	Installation / Modification Date	Pollutants Controlled
SCRUB	Venturi Scrubber	1985	PM, PM_{10}, $PM_{2.5}$

TANKS

Tank ID	Tank Description	Capacity (Gallons)	Installation Date
AET-1	Asphalt Emulsion Storage Tank No. 1	15,000	1975
AET-2	Asphalt Emulsion Storage Tank No. 2	8,000	1975
AET-3	Asphalt Emulsion Storage Tank No. 3	7,500	1975
FOT-1	No. 2 Fuel Oil Storage Tank	10,000	2002

ATTACHMENT - FACILITY INFORMATION

Associated Asphalt Columbia, LLC
GCM-9900-0025
Page 2 of 5

OTHER EQUIPMENT - RESERVED

EXEMPT SOURCES - ASPHALT EMULSION PLANT BOILERS

Equipment ID	Equipment Description	Fuels	Installation Date	Control Device ID
B-2	4.185 million BTU/hr Boiler	Natural Gas	Pre-2003	None
B-3	4.185 million BTU/hr Boiler	Natural Gas No. 2 Fuel Oil (Max. Sulfur Content: 0.5%)	Pre-2003	None

EXEMPT SOURCES - PROCESSING TANKS FOR THE ASPHALT EMULSION PLANT

Tank ID	Tank Description	Capacity (Gallons)	Odor Control Device Present?
A	Liquid Asphalt Cement Tank	34,000	Yes
B	Liquid Asphalt Cement Tank	34,000	Yes
C	Liquid Asphalt Cement Tank	34,000	Yes
D	Liquid Asphalt Cement Tank	34,000	Yes
E	Liquid Asphalt Cement Tank	34,000	Yes
F	Liquid Asphalt Cement Tank	34,000	Yes
G	Liquid Asphalt Cement Tank	34,000	Yes
H	Liquid Asphalt Cement Tank	34,000	Yes
I	Liquid Asphalt Cement Tank	34,000	Yes
J	Liquid Asphalt Cement Tank	34,000	Yes
K	Liquid Asphalt Cement Tank	34,000	Yes
L	Liquid Asphalt Cement Tank	34,000	Yes
M	Liquid Asphalt Cement Tank	34,000	Yes
9	Cationic Emulsion – CRS-2L / 2P Tank	28,000	No
10	Cationic Emulsion – CRS-2L / 2P Tank	22,000	No
11	Cationic Emulsion – CRS-2L / 2P Tank	22,000	No
12	Cationic Emulsion – CRS-2L / 2P Tank	22,000	No
13	Cationic Emulsion – CRS-1h Tank	15,000	No
14	Cationic Emulsion – CRS-1h Tank	17,000	No
16	Cationic Emulsion – CRS-1 Tank	17,000	No
17	Cationic Emulsion – CRS-2 Tank	18,000	No
18	Cationic Emulsion – CRS-2 Tank	18,000	No
19	Cationic Emulsion – CRS-1h Tank	18,000	No
30	Cationic Emulsion – CRS-1 Tank	21,000	No
31	Cationic Emulsion – CRS-1 Tank	19,000	No
32	Cationic Emulsion – CRS-2 Tank	20,000	No
33	Cationic Emulsion – CRS-2 Tank	18,000	No
34	Cationic Emulsion – CRS-2 Tank	19,000	No
35	Cationic Emulsion – CRS-2L / 2P Tank	22,000	No
36	Cationic Emulsion – CRS-2L / 2P Tank	18,000	No
37	Cationic Emulsion – CRS-1 Tank	17,000	No
38	Cationic Emulsion – CRS-1 Tank	17,000	No
40	Anionic Emulsion – HFRA Tank	18,000	No

ATTACHMENT - FACILITY INFORMATION

Associated Asphalt Columbia, LLC
GCM-9900-0025
Page 3 of 5

EXEMPT SOURCES - PROCESSING TANKS FOR THE ASPHALT EMULSION PLANT

Tank ID	Tank Description	Capacity (Gallons)	Odor Control Device Present?
41	Anionic Emulsion – RS-1 Tank	12,000	No
43	Anionic Emulsion – SS-1 / 1H Tank	23,000	No
44	Anionic Emulsion – EA-P / Special Tank	22,000	No
45	Anionic Emulsion – SEACO HPL Tank	22,000	No
46	Anionic Emulsion – AE-200 / HP Tank	20,000	No
47	Anionic Emulsion – RS-2½ – ½ Tank	17,000	No
48	Anionic Emulsion – HFMS-1 Tank	22,000	No
49	Anionic Emulsion – HFMS-1 Tank	19,000	No
Anionic Remill	Anionic Emulsion – HFRA Tank	17,000	No
Cationic Remill	Cationic Emulsion – CRS2 Tank	14,000	No
Fuel Oil #1	Dyed Ultra LS #2 Tank	20,000	No
Fuel Oil #2	Dyed Ultra LS #2 Tank	20,000	No
Boiler Fuel	Dyed Ultra LS #2 Tank	5,200	No
On Road Diesel	ULS Diesel Tank	10,000	No
Anti-Strip	AD-Here 260 Tank	7,000	No
Caustic Soda	25% Sodium Hydroxide Tank	6,500	No
Tall Oil	MQB Tank	25,000	No
SBR Latex	SBR Latex Tank	15,000	No
Cationic Surfactant	AA-83 Tank	15,000	No
Cationic Surfactant	Tank	8,200	No
Hydrochloric Acid	Hydrochloric Acid Tank	6,000	No
Anionic Soap #1	Anionic Soap Tank	6,100	No
Anionic Soap #2	Anionic Soap Tank	6,100	No
Anionic Soap #3	Anionic Soap Tank	6,100	No
Cationic Soap #1	Cationic Soap	6,100	No
Cationic Soap #2	Cationic Soap	6,100	No
Cationic Soap #3	Cationic Soap	6,100	No
Cationic Soap #4	Cationic Soap	6,100	No

FACILITY SPECIFIC CONDITIONS

The facility must comply with the General Conditional Major Operating Permit for Asphalt Plants and any additional conditions listed in this section.

Condition Number	Equipment ID	Conditions
1.	All	Associated Asphalt Columbia, LLC t/a Colprovia Asphalts (9900-0025) and Associated Asphalt Columbia, LLC t/a Seaco Asphalt Emulsions (1900-0220) are considered to be co-located. Combined emissions from both facilities shall be used to determine compliance with the facility wide emission limits established under the General Conditional Major Operating Permit for Asphalt Plants.
2.	All	This facility is not subject to the requirements of 40 CFR 60, New Source Performance Standards (NSPS), Subpart A, General Conditions, and Subpart I, Standards of Performance For Asphalt Concrete Plants, and S.C. Regulation 61-62.60 Subparts A and Subpart I, Standards of Performance For Asphalt Concrete Plants.
3.	B-1	(S.C. Regulation 61-62.5, Standard No.1, Section I) This fuel burning source shall not

FACILITY SPECIFIC CONDITIONS

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<table>
<tr><th>Condition Number</th><th>Equipment ID</th><th>Conditions</th></tr>
<tr><td></td><td></td><td>discharge into the ambient air smoke which exceeds an opacity of 20%. The opacity limit may be exceeded for sootblowing, but may not be exceeded for more than 6 minutes in a one hour period nor be exceeded for more than a total of 24 minutes in a 24 hour period. Emissions caused by sootblowing shall not exceed an opacity of 60%.

The opacity standards set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. The owner/operator shall maintain a log of the time, magnitude, duration, and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request.</td></tr>
<tr><td>4.</td><td>All</td><td>(S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations:
For process weight rates less than or equal to 30 tons per hour
$E = (F)\ 4.10P^{0.67}$ and
For process weight rates greater than 30 tons per hour
$E = (F)\ 55.0P^{0.11} - 40$
Where E = the allowable emission rate in pounds per hour
P = process weight rate in tons per hour
F = effect factor from Table B in S.C. Regulation 61-62.5, Standard No. 4

For the purposes of compliance with this condition, the process boundaries are defined as follows:
<table>
<tr><th>Process/Equipment IDs</th><th>Max Process Weight Rate (ton/hr)</th></tr>
<tr><td>All</td><td>130</td></tr>
</table>
</td></tr>
<tr><td>5.</td><td>SCRUB</td><td>The owner/operator shall continue to operate and maintain a pressure drop indicator on each scrubber module. The pressure drop shall be recorded daily during source operation. Operation and maintenance checks shall be made on at least a weekly basis. The scrubber shall be in place and operational whenever processes controlled by it are running, except during periods of scrubber malfunction or mechanical failure.

An operational range for the pressure drop has been established to ensure proper operation. This operational range for the pressure drop was derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established ranges and supporting documentation for this monitored parameter. Operating ranges may be updated following submittal to the Director of Engineering Services.

All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (i.e., pressure drop readings, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and</td></tr>
</table>

FACILITY SPECIFIC CONDITIONS
The facility must comply with the General Conditional Major Operating Permit for Asphalt Plants and any additional conditions listed in this section.

Condition Number	Equipment ID	Conditions
		corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall indicate such. Any alternative method for monitoring control device performance must be preapproved by the Department and shall be incorporated into the permit as set forth in S.C. Regulation 61-62.1 Section II.

RECORD OF REVISIONS	
Revision Date	**Description of Change**

ATTACHMENT - EMISSION RATES FOR AMBIENT AIR STANDARDS

Associated Asphalt Columbia, LLC
GCM-9900-0025
Page 1 of 2

The emission rates listed herein are not considered 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 (see Ambient Air Standards Requirements).

AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2							
Emission Point ID	**Emission Rates (lbs/hr)**						
	PM_{10}	**$PM_{2.5}$**	**SO_2**	**NO_x**	**CO**	**Lead**	**HF**
Boiler	0.04	0.03	0.11	0.29	0.07	2.00E-05	--
Scrubber	3.36	--	1.43	7.15	17.22	--	--
SRC1 – Boiler No. 1	0.03	0.03	0.003	0.41	0.34	2.10E-06	--
SRC1 – Boiler No. 2	0.07	0.06	0.21	0.60	0.34	3.80E-05	--

TOXIC AIR POLLUTANTS - STANDARD NO. 8					
Emission Point ID	**Emission Rates (lbs/hr)**				
	Formaldehyde 50-00-0	**Mercury 7439-97-6**	**Nickel 7440-02-0**	**Phosphorus 7723-14-0**	**POM**
Scrubber	0.42	3.40E-04	8.22E-03	3.65E-03	0.12

TOXIC AIR POLLUTANTS - STANDARD NO. 8		
Pollutant	**CAS #**	**Facility Wide Emission Rates (lbs/day)**
Antimony Compounds	N/A	0.001
Arsenic	7440-38-2	0.002
Benzene	71-43-2	1.236
Cadmium	7440-43-9	0.001
Carbon Disulfide	75-15-0	0.008
Chromium(+6) Compounds	N/A	0.001
Cobalt Compounds	N/A	0.000
Cumene	98-82-8	0.014
Ethyl Benzene	100-41-4	0.800
Ethyl Chloride	75-00-3	0.002
Hexane	110-54-3	2.928
Hydrogen Sulfide	7783-06-4	0.170
Manganese Compounds	N/A	0.024
Methyl Bromide	74-83-9	0.003
Methyl Chloride	74-87-3	0.011
Methyl Chloroform	71-55-6	0.150
Methyl Ethyl Ketone	78-93-3	0.021
Methylene Chloride	75-09-2	0.000
Naphthalene	91-20-3	2.056
Perchloroethylene	127-18-4	0.001
Phenol	108-95-2	0.013
Selenium Compounds	N/A	0.001
Sodium Hydroxide	1310-73-2	0.144
Styrene	100-42-5	0.003
Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	0.000
Toluene	108-88-3	9.099

ATTACHMENT - EMISSION RATES FOR AMBIENT AIR STANDARDS

Associated Asphalt Columbia, LLC
GCM-9900-0025

TOXIC AIR POLLUTANTS - STANDARD NO. 8		
Pollutant	**CAS #**	**Facility Wide Emission Rates (lbs/day)**
2,2,4-Trimethylpentane	540-84-1	0.125
Xylene	1330-20-7	0.753
o-Xylene	95-47-6	0.032