



Catherine B. Templeton, Director

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

August 5, 2013

Ms. Katie Williams  
C.R. Jackson, Inc.  
PO Box 521  
Darlington, SC 29540

RE: Notice of Permit Coverage  
C.R. Jackson, Inc. - Columbia Plant  
Permit Number: 9900-0036

Dear Ms. Williams

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: 9900-0036  
ec: Ben Buchanan, BEHS

## ATTACHMENT A

### FACILITY INFORMATION C.R. Jackson, Inc. - Columbia Plant GCM-9900-0036 Page 1 of 2

#### A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

#### B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 100 Independence Blvd.  
CITY, STATE, ZIP FACILITY IS LOCATED IN: Columbia, SC 29210  
COUNTY FACILITY IS LOCATED IN: Richland

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)	2005	BH
DB	100E+06 Btu/hr Asphalt Plant Dryer Burner Natural Gas, No.2 Fuel Oil (Maximum Sulfur Content 0.5%) and No.4 Recycled Oil (Maximum Sulfur Content 1.5%) as Burner Fuels	2005	BH
LS	Lime Silo	1993	BV

D - FACILITY CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
BH	Pulse Jet Baghouse	2005	PM, PM <sub>10</sub> , PM <sub>2.5</sub>
BV	Bin Vent Baghouse	1993	PM, PM <sub>10</sub> , PM <sub>2.5</sub>

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
FOT-1	21,000 gallon No.4 Recycled Fuel Oil Storage Tank	2007	Air Permitting Exemption List
FOT-2	21,000 gallon No.2 Fuel Oil Storage Tank	2007	Air Permitting Exemption List
LAT-1	30,000 gallon Liquid Asphalt Storage Tank	2007	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-2	30,000 gallon Liquid Asphalt Storage Tank	2007	SC Regulation 61-62.1, Section II(B)(2)(h)
HOH	1.2+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as fuel	2007	SC Regulation 61-62.1, Section II(B)(2)(h)



## ATTACHMENT B

### MODELED EMISSION RATES C.R. Jackson, Inc. - Columbia Plant GCM-9900-0036 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	Modeled Emission Rates						
	PM <sub>10</sub> (lb/hr)	PM <sub>2.5</sub> (lb/hr)	SO <sub>2</sub> (lb/hr)	NO <sub>x</sub> (lb/hr)	CO (lb/hr)	Lead (lb/hr)	HF (lb/hr)
EP01 – Aggregate Drum, etc.	9.20	1.16	23.20	22.0	52.0	--	--

CLASS II PREVENTION OF SIGNIFICANT DETERIORATION - STANDARD NO. 7			
Emission Point ID	Minor Source Baseline Date(s)		
	7/03/2001	7/03/2001	7/03/2001
	PM <sub>10</sub> (lb/hr)	SO <sub>2</sub> (lb/hr)	NO <sub>x</sub> (lb/hr)
EP01 – Aggregate Drum, etc.	9.20	23.20	22.0

TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8					
Emission Point ID	Acrolein 107-02-8 (lb/hr)	Benzene 71-43-2 (lb/hr)	Cadmium 7440-43-9 (lb/hr)	Formaldehyde 50-00-0 (lb/hr)	Mercury 7439-97-6 (lb/hr)
EP01	1.04E-02	1.56E-01	1.64E-04	1.24	1.04E-03
EP02A	--	5.2E-04	--	1.12E-02	--
EP02A	--	2.88E-04	--	4.88E-04	--
EP03A	--	5.2E-04	--	1.12E-02	--
EP03B	--	2.88E-04	--	4.88E-04	--
EP04A	--	5.2E-04	--	1.12E-02	--
EP04B	--	2.88E-04	--	4.88E-04	--

**ATTACHMENT B**

**MODELED EMISSION RATES  
C.R. Jackson, Inc. - Columbia Plant  
GCM-9900-0036  
Page 2 of 3**

<b>TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Nickel 7440-02-0 (lb/hr)</b>	<b>POM (lb/hr)</b>	<b>Propionaldehyde 123-38-6 (lb/hr)</b>	<b>Quinone 106-51-4 (lb/hr)</b>	<b>Toluene 108-88-3 (lb/hr)</b>
EP01	2.52E-02	3.54E-01	5.20E-02	6.40E-02	1.16
EP02A	--	3.86E-03	--	--	1.01E-03
EP02A	--	2.70E-03	--	--	1.16E-03
EP03A	--	3.86E-03	--	--	1.01E-03
EP03B	--	2.70E-03	--	--	1.16E-03
EP04A	--	3.86E-03	--	--	1.01E-03
EP04B	--	2.70E-03	--	--	1.16E-03

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8 FACILITY-WIDE LEVEL I DE MINIMIS ANALYSIS</b>			
<b>Pollutant Controlled</b>	<b>CAS #</b>	<b>Emission Rate (lb/day)</b>	<b>De Minimis (lb/day)</b>
Arsenic	7440-38-2	0.005	0.012
Acetaldehyde	75-07-0	12.480	21.600
Acrolein	107-02-8	0.250	0.015
Benzene	71-43-2	3.802	1.800
Cadmium	7440-43-9	0.004	0.003
Carbon Disulfide	75-15-0	0.024	1.800
Hexavalent Chromium	1854-029-9	0.004	0.030
Cobalt	7440-48-4	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
Formaldehyde	50-00-0	30.602	0.180
Hexane	110-54-3	9.009	10.800

**ATTACHMENT B****MODELED EMISSION RATES  
C.R. Jackson, Inc. - Columbia Plant  
GCM-9900-0036  
Page 3 of 3**

<b>TOXIC AIR POLLUTANTS - STANDARD NO. 8 FACILITY-WIDE LEVEL I DE MINIMIS ANALYSIS</b>			
<b>Pollutant Controlled</b>	<b>CAS #</b>	<b>Emission Rate (lb/day)</b>	<b>De Minimis (lb/day)</b>
Hydrochloric Acid	7467-01-0	2.016	2.100
Manganese	743-996-5	0.074	0.300
Methyl Ethyl Ketone	78-93-3	0.257	177.000
Mercury	7439-97-6	0.025	0.003
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
Nickel	7440-02-0	0.605	0.006
Phenol	108-95-2	0.039	2.280
Polycyclic Organic Matter	+	8.967	1.920
Propionaldehyde	123-38-6	1.248	+
Quinone	106-51-4	1.536	0.024
Selenium	778-249-2	0.003	0.012
Styrene	100-42-5	0.009	63.900
2,3,7,8-Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	0.000	0.000
Tetrachloroethylene	127-18-4	0.003	40.200
2,2,4-Trimethylpentane	540-84-1	0.385	105.000
Toluene	108-88-3	27.996	24.000
Xylene	1330-20-7	2.318	52.200
o-Xylene	95-47-6	0.099	52.200