



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. - Holly Hill Plant  
Permit Number: 9900-0597

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: 9900-0597  
ec: Tim Pearson, BEHS

**ATTACHMENT A**

**FACILITY INFORMATION  
C. R. Jackson, Inc. - Holly Hill Plant  
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**A - APPLICABLE PERMIT DATES**

COVERAGE DATE: August 5, 2013

**B - FACILITY PHYSICAL ADDRESS**

FACILITY STREET ADDRESS: Intersection of Goodfarm Road & Oakley Lane  
CITY, STATE, ZIP FACILITY IS LOCATED IN: Holly Hill, SC 29059  
COUNTY FACILITY IS LOCATED IN: Orangeburg

<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)	2011	BH
DB	75E+06 Btu/hr Asphalt Plant Dryer Burner Natural Gas, No.2 Fuel Oil (Maximum Sulfur Content 0.5%) and Recycled No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Burner Fuels	2011	BH
LS	Lime Silo	2011	BV
HOH	2.2E+06 Btu/hr Hot Oil Heater Natural Gas and No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as fuels	2011	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	2011	PM, PM <sub>10</sub> , PM <sub>2.5</sub>
BV	Bin Vent Baghouse	2011	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	35,000 gallon Liquid Asphalt Tank	2011	SC Regulation 61-62.1, Section II(B)(2)(h)
FOT-1	1,000 gallon No.2 Fuel Oil Tank	2011	Air Permitting Exemption List
FOT-2	20,000 gallon No.4 Fuel Oil Tank	2011	Air Permitting Exemption List
FOT-3	750 gallon No.2 Fuel Oil Tank	2011	Air Permitting Exemption List



## ATTACHMENT B

### MODELED EMISSION RATES C. R. Jackson, Inc. – Holly Hill Plant GCM-9900-0597 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 (lb/hr)				
	TSP	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO
EP01	9.99	6.9	20.3	16.5	39.0

AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2			
Emission Point ID	Modeled Emission Rates (lb/hr)		
	PM <sub>2.5</sub>	LEAD	GASEOUS FLUORIDES (as HF)
EP01	6.69	4.5E-03	--

CLASS II PREVENTION OF SIGNIFICANT DETERIORATION - STANDARD NO. 7				
Emission Point ID	Modeled Emission Rates (lb/hr)			
	PM <sub>2.5</sub>	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>
EP01	--	6.9	20.3	16.5

TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8					
Emission Point ID	Modeled Emission Rates (lb/hr)				
	Acrolein 107-02-8	Benzene 71-43-2	Formaldehyde 50-00-0	Mercury 7439-97-6	Nickel 7440-02-0
EP01	0.008	0.117	0.930	7.80E-04	0.019
EP4A	--	1.17E-03	0.025	--	--
EP4B	--	6.49E-04	0.001	--	--

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<b>TOXIC AIR POLLUTANTS MODELED - STANDARD NO. 8</b>					
<b>Emission Point ID</b>	<b>Modeled Emission Rates (lb/hr)</b>				
	<b>Propionaldehyde 123-38-6</b>	<b>POM N/A</b>	<b>Quinone 106-51-4</b>	<b>N/A</b>	<b>N/A</b>
EP01	0.039	1.636	0.048	--	--
EP4A	--	0.012	--	--	--
EP4B	--	0.009	--	--	--

<b>TOXIC AIR POLLUTANTS - STANDARD NO.8 FACILITY-WIDE LEVEL I DE MINIMIS ANALYSIS</b>			
<b>Pollutant</b>	<b>CAS #</b>	<b>Emission Rate (lb/day)</b>	<b>De Minimis (lb/day)</b>
Acetaldehyde	75-07-0	9.360	21.600
Arsenic	7440-38-2	0.004	0.012
Cadmium	7440-43-9	0.003	0.003
Carbon Disulfide	75-15-0	0.018	1.800
Chromium (+6) Compounds	N/A	0.003	0.030
Cobalt Compounds	N/A	0.000	0.003
Cumene	98-82-8	0.033	0.108
Ethyl Benzene	100-41-4	1.845	52.200
Ethyl Chloride	75-00-3	0.004	316.800
Hexane	110-54-3	6.757	10.800
Manganese Compounds	N/A	0.055	0.300
MEK	78-93-3	0.193	177.000
Methyl Bromide	74-83-9	0.007	1.200
Methyl Chloride	74-87-3	0.025	6.180
Methyl Chloroform	71-55-6	0.346	114.600
Methylene Chloride	75-09-2	0.000	105.000
Naphthalene	91-20-3	4.744	15.000

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**MODELED EMISSION RATES**  
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<b>TOXIC AIR POLLUTANTS - STANDARD NO.8 FACILITY-WIDE LEVEL I DE MINIMIS ANALYSIS</b>			
<b>Pollutant</b>	<b>CAS #</b>	<b>Emission Rate (lb/day)</b>	<b>De Minimis (lb/day)</b>
Phenol	108-95-2	0.029	2.280
Selenium Compounds	N/A	0.003	0.012
Styrene	100-42-5	0.007	63.900
Tetrachloroethylene	127-18-4	0.002	40.200
Toluene	108-88-3	20.997	24.000
2,2,4-Trimethylpentane	540-84-1	0.289	105.00
o-Xylene	95-47-6	0.074	52.200
Xylene	1330-20-7	1.738	52.200