



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. - Jefferson Plant #501
Permit Number: 9900-0213

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, 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: 9900-0213
ec: Bryan Baxley, BEHS

ATTACHMENT A

FACILITY INFORMATION C. R. Jackson, Inc. Jefferson Plant #501 GCM-9900-0213 Page 1 of 2

A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 1339 Ogburn Rd.
CITY, STATE, ZIP FACILITY IS LOCATED IN: Jefferson, SC 29718
COUNTY FACILITY IS LOCATED IN: Chesterfield

C - FACILITY EQUIPMENT			
Equipment ID	Equipment Description	Installation Date/ Modification Date	Control Device ID
AP	334 tph Drum Mix Asphalt Plant (40CFR60 Subpart I Applicable)	1995	BH
DB	93E+06 Btu/hr Asphalt Plant Dryer Burner No.2 Fuel Oil (Maximum Sulfur Content 0.5%) and Recycled No.4 Fuel Oil (Maximum Sulfur Content 1.5%) as Burner Fuels	1995	BH
LS	Lime Silo	1995	BV

D - FACILITY CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
BH	Pulse Jet Baghouse	1995	PM, PM ₁₀ , PM _{2.5}
BV	Bin Vent Baghouse	1995	PM, PM ₁₀ , PM _{2.5}

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
HOH-1	1.4E+06 Btu/hr Hot Oil Heater No.2 Fuel Oil (Maximum Sulfur Content 0.5%) and Recycled No.4 Fuel Oil (Maximum Sulfur Content 1.5%) as fuels	1995	SC Regulation 61-62.1, Section II(B)(2)(h)
HOH-2	1.2E+06 Btu/hr Hot Oil Heater No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as fuel	2003	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT	30,000 gallon Liquid Asphalt Tank	1995	SC Regulation 61-62.1, Section II(B)(2)(h)
FOT-1	20,000 gallon No.2 Fuel Oil Tank	1995	Air Permitting Exemption List
FOT-2	15,000 gallon No.4 Fuel Oil Tank	2003	Air Permitting Exemption List

ATTACHMENT B

**MODELED EMISSION RATES
C. R. Jackson, Inc. Jefferson Plant #501
GCM-9900-0213
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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	Lead	HF
Asphalt Plant Production (Baghouse)	11.44	--	39.07	18.37	50.1	--	--

STANDARD NO.7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)				
STACK ID	Minor Source Baseline Date(s)			
	8/7/1977	None	8/7/1977	12/27/2008
	PM₁₀	PM_{2.5}	SO₂	NO_x
Asphalt Plant Production (Baghouse)	11.44	--	39.07	18.37

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Acrolein	Benzene	Cadmium	Formaldehyde
	107-02-8	71-43-2	744-043-9	50-00-0
Drum Hot Mix Asphalt Production	0.0087	1.58E-01	1.64E-04	1.28E+00

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Mercury	Nickel	POMs Totals	Propionaldehyde
	743-997-6	744-002-0	N/A	123-38-6
Drum Hot Mix Asphalt Production	1.04E-03	2.52E-02	3.74E-01	3.90E-02

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)	
STACK ID	Quinone
	106-51-4
Drum Hot Mix Asphalt Production	6.40E-02

ATTACHMENT B

MODELED EMISSION RATES C. R. Jackson, Inc. Jefferson Plant #501 GCM-9900-0213 Page 2 of 2

STANDARD NO. 8 – TOXIC AIR POLLUTANTS LEVEL I DE MINIMIS ANALYSIS				
POLLUTANT	CAS NUMBER	EMISSION RATE (LBS/DAY)	DE MINIMIS (LBS/DAY)	PASS (Y or N)
Acetaldehyde	75-07-0	10.421	21.600	Y
Arsenic	744-038-2	0.004	0.012	Y
Carbon Disulfide	75-15-0	0.020	1.800	Y
Cobalt	744-048-4	0.000	0.003	Y
Cumene	98-82-8	0.037	0.108	Y
Ethyl Chloride	75-00-3	0.004	316.800	Y
Ethylbenzene	100-41-4	2.054	52.200	Y
Hexane	110-54-3	7.522	10.800	Y
Hexavalent chromium	1854-029-9	0.004	0.030	Y
Hydrochloric Acid	7467-01-0	1.683	2.100	Y
Manganese	743-996-5	0.062	0.300	Y
MEK	78-93-3	0.215	177.000	Y
Methyl Bromide	74-83-9	0.008	1.200	Y
Methyl Chloride	74-87-3	0.027	6.180	Y
Methyl chloroform	71-55-6	0.385	114.600	Y
Methylene Chloride	75-09-2	0.000	105.00	Y
Naphthalene	91-20-3	5.282	15.000	Y
Phenol	108-95-2	0.032	2.280	Y
Selenium	778-249-2	0.003	0.012	Y
Styrene	100-42-5	0.008	63.900	Y
2, 3, 7, 8-Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	0.000	0.000	Y
Tetrachloroethene	127-18-4	0.003	40.200	Y
2,2,4-Trimethylpentane	540-84-1	0.322	105.000	Y
o-Xylene	95-47-6	0.082	52.200	Y
Xylene	1330-20-7	1.935	52.200	Y