



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. - Sumter Plant #512
Permit Number: 9900-0254

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: 9900-0254
ec: Bryan Baxley, BEHS

ATTACHMENT A

FACILITY INFORMATION C R Jackson, Inc. - Sumter Plant #512 GCM-9900-0254 Page 1 of 2

A - APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

B - FACILITY PHYSICAL ADDRESS

FACILITY STREET ADDRESS: 1170 Eagle Rd.
CITY, STATE, ZIP FACILITY IS LOCATED IN: Sumter, SC 29154
COUNTY FACILITY IS LOCATED IN: Sumter

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)	2002	BH-1
DB	100E+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	2002	BH-1
LS	Lime Silo	1996	BH-2

D - FACILITY CONTROL DEVICES			
Control Device ID	Control Device Description	Installation Date/ Modification Date	Pollutant(s) Controlled
BH-1	Baghouse No.1	1996	PM, PM ₁₀ , PM _{2.5}
BH-2	Baghouse No.2	2002	PM, PM ₁₀ , PM _{2.5}

E - FACILITY EXEMPT EQUIPMENT			
Equipment ID	Source Description	Installation Date	Basis
HOH	1.2E+06 Btu/hr Hot Oil Heater No.2 Fuel Oil (Maximum Sulfur Content 0.5%) as Fuel	1996	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-1	30,000 gallon Liquid Asphalt Tank No.1	2005	SC Regulation 61-62.1, Section II(B)(2)(h)
LAT-2	30,000 gallon Liquid Asphalt Tank No.2	2005	SC Regulation 61-62.1, Section II(B)(2)(h)
FOT-1	14,000 gallon No.2 Fuel Oil Tank	2002	Air Permitting Exemption List
ORD	6,000 gallon Off Road Diesel Tank	2002	Air Permitting Exemption List
FOT-2	20,000 gallon No.4 Fuel Oil Tank	2002	Air Permitting Exemption List

ATTACHMENT B

**MODELED EMISSION RATES
C R Jackson, Inc. - Sumter Plant #512
GCM-9900-0254
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	Lead
EP01 (400 TPH Aggregate Dryer/Baghouse)	9.20	1.16	23.2	22.0	52.0	--

STANDARD NO.7 - MODELED PSD CLASS II INCREMENT EMISSION RATES (lb/hr)			
STACK ID	Minor Source Baseline Date(s)		
	05/20/1981	05/20/1981	10/26/1988
	PM₁₀	SO₂	NO_x
EP01 (400 TPH Aggregate Dryer/Baghouse)	9.20	23.2	22.0

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Acrolein	Benzene	Cadmium	Formaldehyde
	107-02-8	71-43-2	7440-43-9	50-00-0
EP01	0.0104	0.156	0.000164	1.240
EP02A	--	0.0003899	--	0.00840875
EP02B	--	0.00021626	--	0.00036597
EP03A	--	0.0003899	--	0.00840875
EP03B	--	0.00021626	--	0.00036597
EP04A	--	0.0003899	--	0.00840875
EP04B	--	0.00021626	--	0.00036597
EP05A	--	0.0003899	--	0.00840875
EP05B	--	0.00021626	--	0.00036597

ATTACHMENT B

**MODELED EMISSION RATES
C R Jackson, Inc. - Sumter Plant #512
GCM-9900-0254
Page 2 of 3**

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)				
STACK ID	Mercury	Nickel	POM	Propionaldehyde
	7439-97-6	7440-02-0	N/A	123-38-6
EP01	0.00104	0.0252	0.35393	0.052
EP02A	--	--	0.002896	--
EP02B	--	--	0.00202335	--
EP03A	--	--	0.002896	--
EP03B	--	--	0.00202335	--
EP04A	--	--	0.002896	--
EP04B	--	--	0.00202335	--
EP05A	--	--	0.002896	--
EP05B	--	--	0.00202335	--

STANDARD NO.8 - MODELED AIR TOXIC EMISSION RATES (lb/hr)		
STACK ID	Quinone	Toluene
	106-51-4	106-51-4
EP01	0.064	1.160
EP02A	--	0.00075557
EP02B	--	0.000873375
EP03A	--	0.00075557
EP03B	--	0.000873375
EP04A	--	0.00075557
EP04B	--	0.000873375
EP05A	--	0.00075557
EP05B	--	0.000873375

ATTACHMENT B

MODELED EMISSION RATES C R Jackson, Inc. - Sumter Plant #512 GCM-9900-0254 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)
Acetaldehyde	75-07-0	12.480	21.600	Y
Arsenic	7440-38-2	0.005	0.012	Y
Carbon Disulfide	75-15-0	0.024	1.800	Y
Chromium(+6) Compounds	+	0.004	0.030	Y
Cobalt Compounds	+	0.000	0.003	Y
Cumene	98-82-8	0.044	0.108	Y
Ethyl Benzene	100-41-4	2.460	52.200	Y
Ethyl Chloride	75-00-3	0.005	316.800	Y
Hexane	110-54-3	9.009	10.800	Y
Hydrochloric Acid	7647-01-0	2.016	2.100	Y
Manganese Compounds	+	0.074	0.300	Y
Methyl Bromide	74-83-9	0.010	1.200	Y
Methyl Chloride	74-87-3	0.033	6.180	Y
Methyl Chloroform (1,1,1-Trichloroethane)	71-55-6	0.461	114.600	Y
Methyl Ethyl Ketone (2-Butone)	78-93-3	0.257	177.000	Y
Methylene Chloride	75-09-2	0.000	105.000	Y
Naphthalene	91-20-3	6.325	15.000	Y
Phenol	108-95-2	0.039	2.280	Y
Selenium Compounds	+	0.003	0.012	Y
Styrene	100-42-5	0.009	63.900	Y
Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	0.000	0.000	Y
Tetrachloroethylene	127-18-4	0.003	40.200	Y
2,2,4-Trimethylpentane	540-84-1	0.385	105.000	Y
Xylene	1330-20-7	2.318	52.200	Y
o-Xylene	95-47-6	0.099	52.200	Y