

ATTACHMENT - FACILITY INFORMATION

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

APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

FACILITY PHYSICAL ADDRESS

STREET ADDRESS: 1339 Ogburn Road
 CITY, STATE, ZIP: Jefferson, SC 29718
 COUNTY: Chesterfield

ASPHALT PLANT INFORMATION

40 CFR 60, SUBPART I APPLICABLE

Equipment ID	Equipment Description	Installation / Modification Date	Control Device ID
AP	334 TPH Drum Mix Asphalt Plant	1995	BH
DB	93 million BTU/hr Dryer Burner	1995	BH
LS	Lime Silo	1995	BV
HOH-1	1.4 million BTU/hr Hot Oil Heater	1995	None
HOH-2	1.2 million BTU/hr Hot Oil Heater	2003	None

FUEL FIRED SOURCES

Equipment ID	Equipment Description	Fuels	Maximum Sulfur Content (%)
DB	93 million BTU/hr Dryer Burner	No. 2 Fuel Oil	0.5
		Recycled No. 4 Fuel Oil	1.5
HOH-1	1.4 million BTU/hr Hot Oil Heater	No. 2 Fuel Oil	0.5
		Recycled No. 4 Fuel Oil	1.5
HOH-2	1.2 million BTU/hr Hot Oil Heater	No. 2 Fuel Oil	0.5

CONTROL DEVICES

Control Device ID	Control Device Description	Installation / Modification Date	Pollutants Controlled
BH	Pulse Jet Baghouse	1995	PM, PM ₁₀ , PM _{2.5}
BV	Bin Vent Baghouse	1995	PM, PM ₁₀ , PM _{2.5}

TANKS

Tank ID	Tank Description	Capacity (Gallons)	Installation Date
FOT-1	No. 2 Fuel Oil Tank	20,000	1995
FOT-2	No. 4 Fuel Oil Tank	15,000	2003
LAT	Liquid Asphalt Tank	30,000	1995

OTHER EQUIPMENT - RESERVED

FACILITY SPECIFIC CONDITIONS - RESERVED

ATTACHMENT - FACILITY INFORMATION

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

RECORD OF REVISIONS	
Revision Date	Description of Change
03-13-2015	Update facility specific attachments

ATTACHMENT - EMISSION RATES FOR AMBIENT AIR STANDARDS

C. R. Jackson, Inc. – Jefferson Plant #501

GCM-9900-0213

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
Asphalt Plant Production (Baghouse)	11.44	--	39.07	18.37	50.1	--	--

TOXIC AIR POLLUTANTS - STANDARD NO. 8							
Emission Point ID	Emission Rates (lbs/hr)						
	Acrolein 107-02-8	Benzene 71-43-2	Cadmium 744-043-9	Formaldehyde 50-00-0	Mercury 743-997-6	Nickel 744-002-0	
Drum Hot Mix Asphalt Production	0.0087	1.58E-01	1.64E-04	1.28E+00	1.04E-03	2.52E-02	

TOXIC AIR POLLUTANTS - STANDARD NO. 8			
Emission Point ID	Emission Rates (lbs/hr)		
	POMs Totals	Propionaldehyde 123-38-6	Quinone 106-51-4
Drum Hot Mix Asphalt Production	3.74E-01	3.90E-02	6.40E-02

TOXIC AIR POLLUTANTS - STANDARD NO. 8		
Pollutant	CAS #	Facility Wide Emission Rates (lbs/day)
Acetaldehyde	75-07-0	10.421
Arsenic	744-038-2	0.004
Carbon Disulfide	75-15-0	0.020
Cobalt	744-048-4	0.000
Cumene	98-82-8	0.037
Ethyl Chloride	75-00-3	0.004
Ethylbenzene	100-41-4	2.054
Hexane	110-54-3	7.522
Hexavalent chromium	1854-029-9	0.004
Hydrochloric Acid	7467-01-0	1.683
Manganese	743-996-5	0.062
MEK	78-93-3	0.215
Methyl Bromide	74-83-9	0.008
Methyl Chloride	74-87-3	0.027
Methyl chloroform	71-55-6	0.385
Methylene Chloride	75-09-2	0.000
Naphthalene	91-20-3	5.282
Phenol	108-95-2	0.032
Selenium	778-249-2	0.003

ATTACHMENT - EMISSION RATES FOR AMBIENT AIR STANDARDS

**C. R. Jackson, Inc. – Jefferson Plant #501
GCM-9900-0213
Page 2 of 2**

TOXIC AIR POLLUTANTS - STANDARD NO. 8		
Pollutant	CAS #	Facility Wide Emission Rates (lbs/day)
Styrene	100-42-5	0.008
2, 3, 7, 8-Tetrachlorinated Dibenzo-p-dioxins	1746-01-6	0.000
Tetrachloroethene	127-18-4	0.003
2,2,4-Trimethylpentane	540-84-1	0.322
o-Xylene	95-47-6	0.082
Xylene	1330-20-7	1.935