

ATTACHMENT for Asphalt Plants – Facility Information

Banks Construction Co. – North Charleston

GCM-9900-0322

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APPLICABLE PERMIT DATES

COVERAGE DATE: August 5, 2013

FACILITY PHYSICAL ADDRESS

STREET ADDRESS: 4902 Banco Road
 CITY, STATE, ZIP: Charleston, SC 29418
 COUNTY: Charleston

ASPHALT PLANT INFORMATION

40 CFR 60, SUBPART I APPLICABLE

Equipment ID	Equipment Description	Installation / Modification Date	Control Device ID
AP	500 TPH Drum Mix Asphalt Plant	1999	BH
DB	200 million BTU/hr Dryer Burner	1999	BH
LS	Lime Silo	1999	BV
HOH	2.0 million BTU/hr Hot Oil Heater	1999	None

FUEL FIRED SOURCES

Equipment ID	Equipment Description	Capacity (million BTU/hr heat input)	Fuels (Maximum Sulfur Content (%))	Installation Date Modification Date Manufacture Date
DB	Dryer Burner	200	Natural Gas (N/A)	1999
			No. 2 Recycled Fuel Oil (0.5%)	
			No. 4 Recycled Fuel Oil (1.5%)	
HOH	Hot Oil Heater	2.0	Natural Gas (N/A)	1999
			No. 2 Recycled Fuel Oil (0.5%)	

CONTROL DEVICES

Control Device ID	Control Device Description	Installation / Modification Date	Pollutants Controlled
BH	Pulse Jet Baghouse	1999	PM, PM ₁₀ , PM _{2.5}
BV	Bin Vent Baghouse	1999	PM, PM ₁₀ , PM _{2.5}

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TANKS

Tank ID	Tank Description	Capacity (Gallons)	Installation Date
FOT-1	No. 4 Fuel Oil Tank	37,500	1999
FOT-2	No. 2 Recycled Fuel Oil Tank	20,000	1999
FOT-3	No. 2 Recycled Fuel Oil Tank	20,000	1999
FOT-4	No. 2 Recycled Fuel Oil Tank	15,000	1999
LAT-1	Liquid Asphalt Tank No.1	30,000	1999
LAT-2	Liquid Asphalt Tank No. 2	30,000	1999

OTHER EQUIPMENT - RESERVED

FACILITY SPECIFIC CONDITIONS - RESERVED

RECORD OF REVISIONS	
Revision Date	Description of Change
03-13-2015	Update facility specific attachments
06-30-2016	The facility will relocate and operate portable pugmill from 101 Mellichamp Road in Summerville to 4902 Banco Road in Charleston in conjunction with existing North Charleston plant (9900-0322). Added colocation condition for this modification and updated Ambient Air Standards Attachment.
02-09-2017	Update to permit to remove facility specific condition after the closing of the Banks Construction Co. (9900-0610).

ATTACHMENT for Asphalt Plants – Emission Rates for Ambient Air Standards

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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
ASPH1	10.400	1.311	29.000	27.500	65.000	0.0071
OILHTR	0.034	0.030	1.014	0.286	0.165	--

TOXIC AIR POLLUTANTS - STANDARD NO. 8						
Emission Point ID	Emission Rates (lbs/hr)					
	Acrolein 107-02-8	Benzene 71-43-2	Cadmium 7440-43-9	Chromium --	Formaldehyd e 50-00-0	Hexane 110-54-3
ASPH1	0.013	0.198	2.05E-04	2.75E-03	1.59	0.469

TOXIC AIR POLLUTANTS - STANDARD NO. 8						
Emission Point ID	Emission Rates (lbs/hr)					
	Hydrochloric Acid 7647-01-0	Mercury 7439-97-6	Nickel 7440-02-0	Propionaldehyd e 123-38-6	Quinone 106-51-4	Toluene 108-88-3
ASPH1	0.105	0.0013	3.15E-02	0.065	0.080	1.458

TOXIC AIR POLLUTANTS - STANDARD NO. 8		
Pollutant	CAS #	Facility Wide Emission Rates (lbs/day)
Acetaldehyde	75-07-0	15.600
Arsenic	7440-38-2	0.009
Beryllium	7440-41-7	0.000
Carbon Disulfide	75-15-0	0.030
Cobalt	---	0.000
Cumene	98-82-8	0.055
Ethyl Chloride	75-00-3	0.006

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TOXIC AIR POLLUTANTS - STANDARD NO. 8		
Pollutant	CAS #	Facility Wide Emission Rates (lbs/day)
Ethyl Benzene	100-41-4	3.075
Manganese	---	0.106
Methyl Bromide	74-83-9	0.012
Methyl Chloride	74-87-3	0.041
Methyl Chloroform	71-55-6	0.576
Methylene Chloride	75-09-2	0.000
Methyl Ethyl Ketone	78-93-3	0.321
Naphthalene	91-20-3	7.907
Phenol	108-95-2	0.048
Phosphorus	7723-14-0	0.004
Selenium	---	0.004
Styrene	100-42-5	0.012
Tetrachlorinated Dibenzo-p-dioxin	1746-01-6	0.000
Tetrachloroethylene	127-18-4	0.004
2,2,4-Trimethylpentane	540-84-1	0.481
Xylene	1330-20-7	2.897
o-Xylene	95-47-6	0.123