EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4673B

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant=s property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
DPP 30	A Dryer Scrubber	VCM	(5)	(5)
		VOC (7)	0.11	0.48
		HAP (8)	0.18	0.77
		PM_{10}	1.88	8.24
		NO_x	2.80	12.26
		SO_2	0.01	0.04
		CO	0.70	3.07
DPP 31	B Dryer Scrubber	VCM	(5)	(5)
		VOC (7)	0.11	0.48
		HAP (8)	0.18	0.77
		PM_{10}	1.88	8.24
		NO_x	2.80	12.26
		SO_2	0.01	0.04
		CO	0.70	3.07
DPP 40	Silo Dust Collector, 570 Baghouse	VCM	(5)	(5)
		PM_{10}	0.22	0.97
DPP 41	Silo Dust Collector, 580 Baghouse	VCM	(5)	(5)
		PM_{10}	0.22	0.97
DPP 42	Silo Dust Collector, 590 Baghouse	VCM	(5)	(5)
		PM_{10}	0.20	0.89
DPP 43	Resin Dust Collector	VCM	(5)	(5)
		PM_{10}	0.72	3.15
DPP 45	A Train Receiver	VCM	(5)	(5)
		PM_{10}	0.17	0.76

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
DPP 46	B Train Receiver	VCM	(5)	(5)
		PM_{10}	0.17	0.76
DPP 51	Vacuum Cleaner Baghouse	VCM	(5)	(5)
		PM_{10}	0.03	0.13
DPP 57	Reactor Vent Blower	VCM	0.30	0.50
DPP 71	Blending Silo Dust Collector, 514 Baghouse	VCM	(5)	(5)
		PM_{10}	0.15	0.64
DPP 72	Blending Silo Dust Collector, 515 Baghouse	VCM	(5)	(5)
		PM_{10}	0.15	0.64
DPP 73	Blending Silo Dust Collector, 516 Baghouse	VCM	(5)	(5)
		PM_{10}	0.15	0.64
DPP 74	Silo Dust Collector, 517 Baghouse	VCM	(5)	(5)
		PM_{10}	0.15	0.64
DPP 80	Ammonia Scrubber Vent	NH_3	0.01	0.01
DPP 84	Blending Silo Dust Collector, 526 Baghouse	VCM	(5)	(5)
		PM_{10}	0.12	0.54
DPP 85	Blending Silo Dust Collector, 527 Baghouse	VCM	(5)	(5)
		PM_{10}	0.12	0.54
DPP 86	Blending Silo Dust Collector, 528 Baghouse	VCM	(5)	(5)
		PM_{10}	0.12	0.54
DPP 87	Blending Silo Dust Collector, 525 Baghouse	VCM	(5)	(5)
		PM_{10}	0.12	0.54
DPP 88	Blending Silo Dust Collector, 511 Baghouse	VCM	(5)	(5)
		PM_{10}	0.15	0.64

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		AIR CONTAMINANTS DATA		
DPP 91	Blending Silo Dust Collector, 510 Baghouse	VCM	(5)	(5)
		PM_{10}	0.15	0.64
DPP 94	Blending Silo Dust Collector, 595 Baghouse	VCM	(5)	(5)
		PM_{10}	0.15	0.68
DPP 95	Equipment Openings	VCM	0.54	0.01
DPP 96	Blend Tank A	VCM	0.08	(5)
		HAP (9)	0.01	0.01
DPP 97	Blend Tank AA	VCM	0.08	(5)
		HAP (9)	0.01	0.01
DPP 98	Blend Tank B	VCM	0.08	(5)
		HAP (9)	0.01	0.01
DPP 99	Blend Tank BB	VCM	0.08	(5)
		HAP (9)	0.01	0.01
DPP 101	PVC Truck Transloading	VCM	(5)	(5)
		PM_{10}	0.01	0.02
DPP 102	Process Fugitives (4)	VOC (6)	0.09	0.38
		VCM	0.82	3.58
		PM	0.01	0.01
		NH_3	0.33	1.45
DPP 104	Bulk Emulsifier Tank (6)	VOC	0.09	0.01
DPP 110	Centrifuge Vent A	VCM	0.36	(5)
		HAP (9)	0.05	0.22
DPP 111	Centrifuge Vent A	VCM	0.36	(5)
		HAP (9)	0.05	0.22
DPP 68-L 71-L-75-L, 84-L-88-L,	PVC Railcar loading	VCM	(5)	(5)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
91-L and 92-L				
	Maintenance, Startup and Shutdown (MSS)			
DPP 57A & DPP 57B	PVC Process Equipment MSS Emissions Venting through Evacuation Compressor Or Steam Jet	VCM Methanol Other VOC (14)	10.73 0.96 5.49 0.04	(10) (10)
DPP57A	PVC Process Equipment MSS Emissions (10) Venting through Evacuation Compressor (10)	Acetaldehyde Acetophenone Cumene Formaldehyde	0.78 4.26 4.34 0.13	(10) (10)
DPP57B	PVC Process Equipment MSS Emissions (10) Venting through Steam Jet	Acetaldehyde Acetophenone Cumene Formaldehyde	1.93 10.52 10.73 0.32	(10) (10) (10)
	Permit by Rule (PBR) Sources Incoorporated by Reference			
DPP102	Pipeline Fugitives (11)	VCM	0.83	3.61
DPP104	Bulk Emulsifier Tank (12)	VOC	1.26	0.04
DPP71-DPP74, DPP84-DPP88 & DPP94	PVC Silo Modifications (13)	PM	2.04	8.80

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**

(2) Specific point source name. For fugitive sources use area name or fugitive source name.
(3) VOC - volatile organic compound
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
VCM - vinyl chloride monomer
NH_3 - anhydrous ammonia
HAP - unspeciated hazardous air pollutants
(4) Fugitive emissions are an estimate based on component count, emission factors, and applicable reduction credits for a leak detection and repair program and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) Total for residual VCM emissions is 2.16 pounds per hour and 2.96 tons per year.
(6) Total VOCs not including VCM and other hazardous air pollutants (HAPs).
(7) VOC emissions due to combustion of natural gas.
(8) Acetaldehyde and other unspeciated HAPs due to decomposition reactions and the combustion of natural gas.
(9) Acetaldehyde and other unspeciated HAPs, not including VCM, due to decomposition reactions.
(10) Total non- VCM VOC emissions is 0.18 tpy.
(11) Pipeline Fugitives are referenced-in only and shall continue to be authorized under the PBR §106.262.
(12) Bulk Emulsifier Tank is referenced-in only and shall continue to be authorized under the PBR §106.472.
(13) PVC Silo Modifications are referenced-in only and shall continue to be authorized under the PBR §106.393.
(14) Unspeciated VOC other than VCM and methanol, having a short-term ESL≥2ug/m^3 and an annual ESL≥10 percent of its short-term ESL.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:
Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: October 17, 2011