EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21940

This table lists maximum allowable emission rates for all sources of air contaminants covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates lb/hr	TPY (2)
1-SL	Storage Silo No. 11 vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
10	Laminator 3 Treater (A)	NO$_x$	0.04	0.17
		Ozone	0.22	0.96
11	Rewinder 5 Treater	NO$_x$	0.02	0.08
		Ozone	0.33	1.45
13	Laminator 3 Extruder	1-Butene with Ethene	0.12	0.53
16	Laminator 1 Extruder	VOC	0.45	1.97
17	Laminator 1 Treater	NO$_x$	0.04	0.17
		Ozone	0.44	1.93
18	Laminator 2 Extruder	VOC	0.45	1.97
19	Laminator 2 Treater	NO$_x$	0.02	0.08
		Ozone	0.38	1.65
1A	4" Railcar Unload System vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
1D	Bay 2 Vacuum Transfer	PM/PM$_{10}$	<0.01	<0.01
1E	Bays 1 and 2 Silos to Day Tanks vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
2	Silo No. 9 Railcar Unload vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
20	Rewinder 1 Treater	NO$_x$	0.02	0.08
		Ozone	0.33	1.45

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AIR CONTAMINANTS DATA

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates lb/hr	TPY (2)
21	Rewinder 2 Treater	NO_x	0.02	0.08
		Ozone	0.33	1.45
22	Rewinder 3 Treater	NO_x	0.02	0.08
		Ozone	0.11	0.48
23	Starflexo Printer Treater	NO_x	0.02	0.08
		Ozone	0.03	0.14
24	Starflexo Printer and Dryer (.075 MMBtu/hr)	VOC	0.70	3.08
		VOC (comb)	<0.01	<0.01
		PM/PM_{10}	<0.01	<0.01
		NO_x <0.01	0.03	
		CO <0.01	0.01	
		SO_2 <0.01	<0.01	
25	Starflexo Printer Evaporator	VOC (3)	0.11	0.48
26	Beringer Vacuum/Cleaner	VOC (3)	0.50	0.09
27A	Bay 2 Transfer System vented through a Cartridge Filter	PM/PM_{10}	<0.01	<0.01
27B	Silo 12 or 13 Transfer System to SFL 2 vented through a Baghouse	PM/PM_{10}	<0.01	<0.01
27C	Silo 11 Transfer System to SFL 1 vented through a Baghouse	PM/PM_{10}	<0.01	<0.01
27D	Boxes to SFL1 Blender Transfer System vented through a Baghouse	PM/PM_{10}	<0.01	<0.01
28	Rewinder 4 Treater	NO_x	0.02	0.08
		Ozone	0.22	0.96

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AIR CONTAMINANTS DATA

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates lb/hr	TPY (2)
29	Main Paper Core Cutter	PM/PM$_{10}$	0.25	1.10
3-SL	SFL 2 Treater	NO$_x$	0.04	0.17
		Ozone	0.22	0.96
30	Bay 1 Transfer System vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
31	Bay 3 Transfer System vented through a Cartridge Filter	PM/PM$_{10}$	<0.01	<0.01
33	Laminator 1-2 Convey System from Silo 9 vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
34A	Silos 12 and 13 Transfer System to SFL 3 vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
34B	SFL 3 Transfer System from Boxes vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
35	Trim Exhaust System vented through Green Baghouse	PM/PM$_{10}$	<0.01	<0.01
36	Bay 3 Resin Transfer System vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
37	Laminator 4 Die Extruder	1-Butene with Ethene	0.08	0.35
4	6" Railcar Unload System vented vented through a Baghouse	PM/PM$_{10}$	<0.01	0.02
4-1	Resin to Laminator 4 Transfer System vented through a Baghouse	PM/PM$_{10}$	<0.01	<0.01
4-2	Laminator 4 Box to Blender Transfer	PM/PM$_{10}$	<0.01	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates lb/hr	TPY (2)
	System vented through a Cartridge Filter			
4-3	Laminator 4 Treater 1	NO_x	0.02	0.08
		Ozone	0.18	0.77
4-6	Laminator 4 Treater 2	NO_x	0.02	0.08
		Ozone	0.18	0.77
4-SL-A	SFL 2 Dryer (.10 MMBtu/hr)	VOC (3)	<0.01	<0.01
		PM/PM_{10} (3)	<0.01	<0.01
		NO_x (3)	<0.01	0.04
		CO (3)	<0.01	0.02
		SO_2 (3)	<0.01	<0.01
4-SL-B	SFL 1 Dryer (Conair) (.10 MMBtu/hr)	VOC (3)	<0.01	<0.01
		PM/PM_{10} (3)	<0.01	<0.01
		NO_x (3)	<0.01	0.04
		CO (3)	<0.01	0.02
		SO_2 (3)	<0.01	<0.01
5	Silos 1-6 vented through a Baghouse	PM/PM_{10}	<0.01	0.02
5-SL	SFL 3 Dryer (.10 MMBtu/hr)	VOC (3)	<0.01	<0.01
		PM/PM_{10} (3)	<0.01	<0.01
		NO_x (3)	<0.01	0.04
		CO (3)	<0.01	0.02
		SO_2 (3)	<0.01	<0.01
6	R and D Oven (1.0 MMBtu/hr) and Extruder	VOC (3)	0.04	0.18
		$VOC_{(comb)}$ (3)	<0.01	0.02
		PM/PM_{10} (3)	<0.01	0.03
		NO_x (3)	0.10	0.43
		CO (3)	0.08	0.36
		SO_2 (3)	<0.01	<0.01
6-SL	SFL 1 Treater	NO_x	0.02	0.08
		Ozone	0.09	0.40

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AIR CONTAMINANTS DATA

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates lb/hr	TPY (2)
7-SL	SFL 3 Treater	NO_x	0.04	0.17
		Ozone	0.44	1.93
7A	Laminator 3 Resin Transfer System vented through a Cartridge Filter	PM/PM_{10}	<0.01	<0.01
7B	Laminator 3 Resin Transfer System vented through a Cartridge Filter	PM/PM_{10}	<0.01	<0.01
8-SL	Silos 12 and 13 vented through a Baghouse	PM/PM_{10}	<0.01	0.02
9A	Repro Silo 8 Transfer System vented through a Baghouse	PM/PM_{10}	<0.01	<0.01
9B	Repro Silo 7 Transfer System vented through a Baghouse	PM/PM_{10}	<0.01	<0.01
9C	White Repro Silo 8 Transfer System to SFL 3 vented through a Baghouse	PM/PM_{10}	<0.01	<0.01
F-1	Extruders 1-8	VOC (3)	0.65	2.85
F-1-SL	SFL 1 Extruder	VOC (3)	0.07	0.28
F-2	Laminator Cleaner	VOC (3)	0.12	0.53
		PM/PM_{10} (3)	0.05	0.22
F-2-SL	SFL 2 Extruder vented through a Cyclone	VOC (3)	0.07	0.31
		PM/PM_{10} (3)	<0.01	<0.01
F-3	Converter Extruders	VOC (3)	0.01	0.04
F-3-SL	SFL 3 Extruder vented	VOC (3)	0.10	0.44

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AIR CONTAMINANTS DATA

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates lb/hr	TPY (2)
	through a Cyclone	PM/PM$_{10}$ (3)	0.01	0.04
F-4	Scrap Recovery Extruder vented throughCyclones 1 through 12	VOC (3)	0.08	0.37
		PM/PM$_{10}$ (3)	2.10	9.20
F-5	Floor Day Tanks	PM/PM$_{10}$ (3)	0.30	1.31
F-7	Space Heaters (3.0 MMBtu/hr)	VOC (3)	0.02	0.07
		PM/PM$_{10}$ (3)	0.02	0.10
		NO$_x$ (3)	0.29	1.29
		CO (3)	0.25	1.08
		SO$_2$(3)	<0.01	0.01
F-12	EREMA Extruder	VOC (3)	0.20	0.53
F-13	Rewinder 5 and Hot Glue Winder	VOC (3)	<0.01	<0.01
F-14	Short Roll Winder 1	VOC (3)	<0.01	<0.01
13, 16, 18, 24, 25 26, 37, F-1, F-1-SL, F-2, F-2-SL, F-3, F-3-SL, F-4, F-12, F-13, and F-14	Extruders, Printer and Evaporator, Cleaners, Laminator Die, and Winders/Rewinder	Each HAP All HAP		<10.00 <25.00

(1) PM/PM$_{10}$ - particulate matter, suspended in the atmosphere, including matter equal to or less than a nominal10 microns in aerodynamic diameter

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO$_x$ - total oxides of nitrogen

SO$_2$ - sulfur dioxide

CO - carbon monoxide

HAP - hazardous air pollutants as listed in Title 40 Code of Federal Regulations Part 63, Subpart C

(2) Rate is for a rolling consecutive 12-months

(3) Fugitive emissions

Dated   August 31, 2006