

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 21940

The total emissions of air contaminants from any of the sources listed on this table shall not exceed the stated values. 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 sources. The annual emission rates are based on a rolling 12-month period.

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
1-SL	Storage Silo No. 10	PM	0.12	0.49
16	Laminator 1 Extruder	VOC	0.45	1.98
17	Laminator 1 Treater and Catalytic Unit Preheater 0.17	O ₃	0.11	0.48
		POC		0.04
18	Laminator 2 Extruder	VOC	0.45	1.98
19	Laminator 2 Treater	O ₃	0.10	0.42
		NO _x	0.02	0.09
1A	Railcar Unload System	PM	0.15	0.65
1B and 1C	In-Plant Loading Systems	PM	0.24	0.23
2	Storage Silos 1-7 and 13	PM	0.12	0.49
2-SL	Storage Silos 9 and 12	PM	0.12	0.49
20	Rewinder 1 Treater and Catalytic Unit Preheater 0.17	O ₃	0.09	0.36
		POC		0.04
21	Rewinder 2 Treater and Catalytic Unit Preheater 0.17	O ₃	0.09	0.36
		POC		0.04

22	Rewinder 3 Treater	O ₃ NO _x	0.03 0.02	0.12 0.09
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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr TPY</u>	
23	Starflexo and Rewinder 4 Treaters	O ₃ NO _x	0.07 0.04	0.28 0.17
24	Starflexo Exhaust	VOC	0.65	0.57
25	Starflexo Evaporator	VOC	0.11	0.11
26	Beringer Vacuum/Cleaner	VOC	0.50	0.10
27A, 30 and 31	Bays 1, 2, and 3	PM	0.50	2.19
27B	Silos 9 and 12 Transfer System 0.05		PM	<0.01
27C	Silo 10 Transfer System	PM	<0.01	0.05
28	QA/QC Lab Fume Hood	VOC	0.5	0.08
29	Main Paper Core Cutter	PM	0.25	0.26
3	Day Tanks 1-6 and 8 Silo Discharge	PM	0.36	1.60
3-SL	Specialty Line No. 2 Treater 0.25	O ₃		0.06
		NO _x	0.02	0.09
33 and 9	Silo Nos. 6, 8, and 11	PM	0.16	0.69
34	Specialty Line No. 3 Transfer System	PM	0.05	0.22
4-SL	Specialty Film Line Dryer 2 0.07		POC	0.02

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5-SL	Specialty Film Line Dryer 3 0.07		POC	0.02
6	R and D Oven and Extruder	VOC	0.04	0.16
		POC	0.15	0.65
6-SL	Specialty Line No. 1 Treater 0.10		O ₃	0.03
		NO _x	0.02	0.09
7-SL	Specialty Line No. 3 Treater 0.24		O ₃	0.06
		NO _x	0.04	0.17
F-1, F-2, F-3, F-4, 1.00		Fugitives from Extruders, VOC	4.35	
F-5, F-6, F-7, F-8, PM		Laminators, Driers, Space	2.49	10.90
F-1-SL, F-2-SL, Heaters, and PM Recovery 1.24			NO _x	0.29
and F-3-SL		SO ₂	<0.01	<0.01
		CO	0.12	0.53

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

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) PM - particulate matter

POC - product of combustion of natural gas

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr TPY</u>

CO - carbon monoxide
O₃ - ozone

* The sources are limited by the following maximum operating schedule:

Hours/day 24 Days/week 7 Weeks/year 52 or Hours/year 8,760

Dated _____