

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 56065 and PSD-TX-1051

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*
E-RC	Ductliner Line Resin Curing Thermal Oxidizer Stack	CO	1.06	4.65
		NO <sub>x</sub>	10.58	46.34
		PM/PM <sub>10</sub>	3.05	13.36
		SO <sub>2</sub> 0.01	0.05	
		VOC 1.22	4.47	
		NH <sub>3</sub> 0.48	1.75	
		Formaldehyde**	0.09	0.34
		Phenol **	1.06	3.83
E-CS	Ductliner Line Cooling Section Stack and Fugitives (4)	PM/PM <sub>10</sub>	5.00	21.90
E-COAT	Ductliner Line Product Coating and Drying Stack and Fugitives (4)	CO	0.35	1.53
		NO <sub>x</sub>	0.41	1.80
		PM/PM <sub>10</sub>	1.20	5.25
		SO <sub>2</sub> <0.01	0.01	
		VOC 0.02	0.09	
E-PL	Ductliner Line Product Labeler	VOC	0.70	3.07
E-TNK 1	Propane Tank	VOC	19.05	15.64
E-GRUNDLER	Scrap Material Grundler	PM/PM <sub>10</sub>	0.25	1.10
E-1	Storage Silo No. 1 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-2	Storage Silo No. 2 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61

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			lb/hr	TPY*
E-3	Storage Silo No. 3 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-4	Storage Silo No. 4 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-5	Storage Silo No. 5 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-6	Storage Silo No. 6 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-7	Storage Silo No. 7 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-8	Storage Silo No. 8 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-9	Storage Silo No. 9 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-10	Storage Silo No. 10 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-11	Storage Silo No. 11 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-12	Storage Silo No. 12 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-13	Storage Silo No. 13 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-14	Storage Silo No. 14 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-15	Storage Silo No. 15	PM/PM <sub>10</sub>	0.14	0.61

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			lb/hr	TPY*
	Baghouse Stack <b>(PSD)</b>			
E-16	Storage Silo No. 16 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-17	Storage Silo No. 17 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-18	Storage Silo No. 18 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-19	Storage Silo No. 19 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-20	Storage Silo No. 20 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.14	0.61
E-21	Unloading/Transport Building Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.15	0.66
E-22	Unloading Area Vacuum Cleaner Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.15	0.07
E-23	Batch Blender No. 1 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.11	0.48
E-24	Batch Blender No. 2 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.11	0.48
E-25	Batch Blender No. 3 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.11	0.48
E-26	Reject Batch Bin Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.11	0.48
E-27	Batch House Vacuum Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.15	0.07

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			lb/hr	TPY*
E-28	Batch Hold Bin No. 1 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.16	0.70
E-29	Batch Hold Bin No. 2 Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	0.16	0.70
E-100	Furnace ESP Stack <b>(PSD)</b>	CO	4.04	17.70
		NO <sub>x</sub>	22.63	99.12
		PM/PM <sub>10</sub>	8.08	35.39
		SO <sub>2</sub>	0.16	0.70
		VOC	0.73	3.20
E-110	BI Line Forehearth Fugitives (4) <b>(PSD)</b>	CO	0.66	2.89
		NO <sub>x</sub>	0.78	3.42
		PM/PM <sub>10</sub>	0.06	0.26
		SO <sub>2</sub>	<0.01	0.02
		VOC	0.04	0.18
E-111	IS Line Forehearth Fugitives (4) <b>(PSD)</b>	CO	0.66	2.89
		NO <sub>x</sub>	0.78	3.42
		PM/PM <sub>10</sub>	0.06	0.26
		SO <sub>2</sub>	<0.01	0.02
		VOC	0.04	0.18
E-120	BI Line Fiber and Mat Forming, Curing, and Cooling Common ESP Stack <b>(PSD)</b>	CO	34.45	150.89
		NO <sub>x</sub>	8.83	38.68
		PM/PM <sub>10</sub>	32.07	140.47
		SO <sub>2</sub>	0.01	0.04
		VOC	23.32	102.14
		NH <sub>3</sub>	73.85	323.46
		Formaldehyde**	7.07	30.97
		Phenol**	6.45	28.25
		Methanol**	1.86	8.15

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY*
E-130	IS Line Fiber Forming Wet Scrubber Stack <b>(PSD)</b>	CO	28.60	125.27
		NO <sub>x</sub>	7.33	32.11
		PM/PM <sub>10</sub>	26.62	116.60
		SO <sub>2</sub>	0.01	0.04
		VOC	2.49	10.91
E-121 and E-122	BI Line Product Labeling <b>(PSD)</b>	Total VOCs	4.54	9.85
		Total HAPs	1.04	2.23
E-123	BI Line Trimming and Packaging Baghouse Stack <b>(PSD)</b>	PM/PM <sub>10</sub>	2.57	11.26

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3)
  - CO - carbon monoxide
  - NO<sub>x</sub> - total oxides of nitrogen
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.
  - PM<sub>10</sub> - particulate matter 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.
  - SO<sub>2</sub> - sulfur dioxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NH<sub>3</sub> - ammonia
  - HAP - hazardous air pollutants
- (4) Fugitive emissions are an estimate only.

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

\*\* These are identified as HAPs and are also included in the VOC emission rate.

Dated April 19, 2006