

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 5667 and PSD-TX-784M1

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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
E-1	Silo No. 1 Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-2	Silo No. 2 Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-2A	Silo No. 2 Baghouse	PM/PM <sub>10</sub>	0.14	0.61
E-3	Silo No. 3 Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-3A	Silo No. 3 Baghouse	PM/PM <sub>10</sub>	0.14	0.61
E-4	Silo No. 4 Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-5	Silo No. 5 Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-6	Silo No. 6 Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-7A	Silo No. 7A Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-7B	Silo No. 7B Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-8	Silo No. 8 Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-9	Silo No. 9 Baghouse	PM/PM <sub>10</sub>	0.08	0.35
E-10	Silo No. 10 Baghouse	PM/PM <sub>10</sub>	0.05	0.22
E-11	Silo No. 11 Baghouse	PM/PM <sub>10</sub>	0.05	0.22
E-15	Batch Blender No. 2	PM/PM <sub>10</sub>	0.11	0.48

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-15A	Batch Blender No. 2	PM/PM <sub>10</sub>	0.11	0.48
E-16	Batch Blender No. 3	PM/PM <sub>10</sub>	0.16	0.72
E-16A	Batch Blender No. 3	PM/PM <sub>10</sub>	0.16	0.72
E-17	Scale 5 Baghouse	PM/PM <sub>10</sub>	0.02	0.08
E-18	BH Vacuum Baghouse	PM/PM <sub>10</sub>	0.04	0.18
E-21A	Furnace No. 1 ESP and Scrubber	PM/PM <sub>10</sub>	13.63	59.70
		VOC	0.25	1.07
		NO <sub>x</sub>	12.12	53.08
		SO <sub>2</sub>	18.20	79.72
		CO	0.27	1.19
E-21A (14)	Furnace No. 1 ESP and Scrubber	PM/PM <sub>10</sub>	3.96	17.34
		VOC	0.13	0.57
		NO <sub>x</sub>	8.31	36.40
		SO <sub>2</sub>	5.54	24.27
		CO	0.32	1.40
E-22A	Furnace No. 2 ESP and Scrubber	PM/PM <sub>10</sub>	13.68	59.93
		VOC	0.25	1.07
		NO <sub>x</sub> (11)	7.09	31.05
		SO <sub>2</sub>	20.31	88.96
		CO	0.39	1.71
E-22A (15)	Furnace No. 2 ESP and Scrubber	PM/PM <sub>10</sub> (13)	3.96	17.34
		VOC	0.13	0.57
		NO <sub>x</sub> (12)	8.31	36.40
		SO <sub>2</sub>	5.54	24.27
		CO	0.32	1.40

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-23A	Furnace No. 3 ESP and Scrubber	PM/PM <sub>10</sub>	5.46	23.91
		SO <sub>2</sub>	6.66	29.17
		NO <sub>x</sub>	11.46	50.19
		CO	0.76	3.33
		VOC	0.28	1.23
E-24A	Furnace No. 4 ESP and Scrubber	PM/PM <sub>10</sub>	4.58	20.06
		SO <sub>2</sub>	11.14	48.79
		NO <sub>x</sub>	9.63	42.18
		CO	0.64	2.80
		VOC	0.22	0.96
E-25	Batch Hold Bin No. 1 Baghouse	PM/PM <sub>10</sub>	0.16	0.70
E-26	Batch Hold Bin No. 2 Baghouse	PM/PM <sub>10</sub>	0.16	0.70
E-27A	Batch Hold Bin No. 3A Baghouse	PM/PM <sub>10</sub>	0.25	1.07
E-27B	Batch Hold Bin No. 3B Baghouse	PM/PM <sub>10</sub>	0.16	0.71
E-28	Batch Hold Bin No. 4 Baghouse	PM/PM <sub>10</sub>	0.25	1.07
E-30	Cleaning Oven	VOC	0.33	1.40
E-31 A-F	Hot Air Dryer No. 31	PM/PM <sub>10</sub>	0.71	2.45
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.93	4.07
		CO	2.61	6.90
		VOC	0.03	0.13
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-32 A-F	Hot Air Dryer No. 32	PM/PM <sub>10</sub>	0.71	2.45

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.93	4.07
		CO	2.61	6.90
		VOC	0.03	0.13
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-33 A-D	Hot Air Dryer No. 33	PM/PM <sub>10</sub>	0.71	2.45
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.93	4.07
		CO	5.51	14.87
		VOC	0.03	0.13
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-34 A-D	Hot Air Dryer No. 34	PM/PM <sub>10</sub>	0.71	2.45
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.93	4.07
		CO	5.51	14.87
		VOC	0.03	0.13
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-35 A-D	Hot Air Dryer No. 35	PM/PM <sub>10</sub>	0.71	2.45
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.93	4.07
		CO	5.51	14.87
		VOC	0.03	0.13
		VOC (Size)	(5)	(5)
		Base	(8)	(8)

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-36 A-D	Hot Air Dryer No. 36	PM/PM <sub>10</sub>	0.71	2.45
		SO <sub>2</sub>	<0.01	0.01
		NO <sub>x</sub>	0.93	4.07
		CO	5.51	14.87
		VOC	0.03	0.13
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-38 A-J	Dielectric Oven No. 38	PM/PM <sub>10</sub>	0.38	1.66
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-39	RTP Dryer No. 15 Baghouse	PM/PM <sub>10</sub>	0.33	1.45
		SO <sub>2</sub>	<0.01	0.04
		NO <sub>x</sub>	0.20	0.88
		CO	0.17	0.74
		VOC	0.01	0.04
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-41 A-E	Mat Line (Dryers and Cleaner)	PM/PM <sub>10</sub>	1.32	5.78
		VOC	0.02	0.09
		NO <sub>x</sub>	0.45	1.97
		SO <sub>2</sub>	<0.01	0.01
		CO	0.38	1.66
E-42 A and B	Dielectric Dryer No. 1	PM/PM <sub>10</sub>	0.11	0.48
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-43 A and B	Dielectric Dryer No. 8	PM/PM <sub>10</sub>	0.11	0.48
		VOC (Size)	(5)	(5)
		Base	(8)	(8)

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-45 A-D	Hot Air Dryer No. 45	PM/PM <sub>10</sub>	0.71	2.45
		SO <sub>2</sub>	<0.01	0.02
		NO <sub>x</sub>	1.33	5.83
		CO	5.51	14.87
		VOC	0.04	0.18
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-52	Boiler No. 2	PM/PM <sub>10</sub>	0.12	0.27
		VOC	0.07	0.15
		NO <sub>x</sub>	3.40	7.45
		SO <sub>2</sub>	0.04	0.09
		CO	0.85	1.86
E-61 A-D	Emergency Generator No. 1	PM/PM <sub>10</sub>	1.21	0.08
		VOC	1.65	0.11
		NO <sub>x</sub>	50.77	3.40
		SO <sub>2</sub>	5.51	0.37
		CO	12.01	0.80
E-62 A-D	Emergency Generator No. 2	PM/PM <sub>10</sub>	1.21	0.08
		VOC	1.65	0.11
		NO <sub>x</sub>	50.77	3.40
		SO <sub>2</sub>	5.51	0.37
		CO	12.01	0.80
E-71	Propane Flare	PM/PM <sub>10</sub>	0.18	0.02
		VOC	13.28	1.33
		NO <sub>x</sub>	3.65	0.37
		SO <sub>2</sub>	0.49	0.05
		CO	7.29	0.73
E-72 and E-76	Fuel Fugitives and Diesel Storage Tank (4)	VOC	3.06	13.42

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-75A	Propane Evaporator No. 1	PM/PM <sub>10</sub>	0.02	<0.01
		VOC	0.01	<0.01
		NO <sub>x</sub>	0.29	0.07
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.04	0.01
E-75B	Propane Evaporator No. 2	PM/PM <sub>10</sub>	0.02	<0.01
		VOC	0.01	<0.01
		NO <sub>x</sub>	0.31	0.08
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.04	0.01
E-75C	Propane Evaporator No. 3	PM/PM <sub>10</sub>	0.02	<0.01
		VOC	0.01	<0.01
		NO <sub>x</sub>	0.31	0.08
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.04	0.01
E-75D	Propane Evaporator No. 4	PM/PM <sub>10</sub>	0.02	<0.01
		VOC	0.01	<0.01
		NO <sub>x</sub>	0.31	0.08
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.04	0.01
E-81 and E-85A	Forming Line No. 1 Scrubbers	PM/PM <sub>10</sub>	2.35	10.29
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-82 and E-85B	Forming Line No. 2 Scrubbers	PM/PM <sub>10</sub>	2.35	10.29
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-83 and E-86A and B	Forming Line No. 3 Scrubbers	PM/PM <sub>10</sub>	3.00	13.14
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-84	Forming Line No. 4	PM/PM <sub>10</sub>	2.51	10.99

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
	Scrubber	VOC (Size) Base	(5) (8)	(5) (8)
E-91	Furnace No. 1 Forehearth	PM/PM <sub>10</sub>	0.06	0.26
		VOC	0.05	0.22
		NO <sub>x</sub>	0.84	3.68
		SO <sub>2</sub>	<0.01	0.04
		CO	0.71	3.11
E-92	Furnace No. 2 Forehearth	PM/PM <sub>10</sub>	0.06	0.26
		VOC	0.05	0.22
		NO <sub>x</sub>	0.84	3.68
		SO <sub>2</sub>	<0.01	0.04
		CO	0.71	3.11
E-93	Furnace No. 3 Forehearth	PM/PM <sub>10</sub>	0.07	0.31
		SO <sub>2</sub>	<0.01	0.02
		NO <sub>x</sub>	0.59	2.60
		CO	0.13	0.55
		VOC	0.03	0.14
E-94	Furnace No. 4 Forehearth and RTP Chopper 14/15 Baghouses	PM/PM <sub>10</sub>	0.30	1.32
		SO <sub>2</sub>	<0.01	0.04
		NO <sub>x</sub>	0.98	4.29
		CO	0.82	3.59
		VOC	0.05	0.22
E-95	No. 1 Scales Batch Blender Baghouse	PM/PM <sub>10</sub>	0.11	0.48
E-97	No. 1 Reject Batch Tank Baghouse	PM/PM <sub>10</sub>	0.11	0.05



## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-98 A-D	Hot Air Dryer No. 98	PM/PM <sub>10</sub>	0.71	2.45
		NO <sub>x</sub>	0.93	4.07
		SO <sub>2</sub>	<0.01	0.01
		CO	5.51	14.87
		VOC	0.03	0.13
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-99	RTP Dryer No. 10 and RTP Chopper No. 10 Baghouse	PM/PM <sub>10</sub>	0.33	1.45
		SO <sub>2</sub>	<0.01	0.04
		NO <sub>x</sub>	0.20	0.88
		CO	0.17	0.74
		VOC	0.01	0.04
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-100	RTP Dryer No. 11 and RTP Chopper No. 11 Baghouse	PM/PM <sub>10</sub>	0.33	1.45
		SO <sub>2</sub>	<0.01	0.04
		NO <sub>x</sub>	0.20	0.88
		CO	0.17	0.74
		VOC	0.01	0.04
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-101	Dielectric Oven No. 101	PM/PM <sub>10</sub>	0.08	0.35
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-105	Post Curing Oven No. 1	PM/PM <sub>10</sub>	<0.01	<0.01
		VOC	0.06	0.09
		NO <sub>x</sub>	0.08	0.09
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.02	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-106	Post Curing Oven No. 2	PM/PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	0.02
		NO <sub>x</sub>	0.10	0.42
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.02	0.02
E-107	Post Curing Oven No. 3	PM/PM <sub>10</sub>	<0.01	<0.01
		VOC	<0.01	0.02
		NO <sub>x</sub>	0.10	0.42
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.02	0.02
E-109	Pneumatic Transfer Hold Tank Baghouse	PM/PM <sub>10</sub>	0.15	0.66
E-112	RTP Dryer No. 12 Baghouse	PM/PM <sub>10</sub>	0.33	1.45
		SO <sub>2</sub>	<0.01	0.04
		NO <sub>x</sub>	0.20	0.88
		CO	0.17	0.74
		VOC	0.01	0.04
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-113	RTP Dryer No. 13 Baghouse	PM/PM <sub>10</sub>	0.33	1.45
		SO <sub>2</sub>	<0.01	0.04
		NO <sub>x</sub>	0.20	0.88
		CO	0.17	0.74
		VOC	0.01	0.04
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-115	RR Unloading Area Vacuum Cleaning System	PM/PM <sub>10</sub>	0.04	0.06

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-116	RTP Dryer No. 16 Baghouse	PM/PM <sub>10</sub>	0.55	2.41
		SO <sub>2</sub>	<0.01	0.04
		NO <sub>x</sub>	0.39	1.71
		CO	0.33	1.45
		VOC	0.02	0.09
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-117	RTP Dryer No. 17 Baghouse	PM/PM <sub>10</sub>	0.55	2.41
		SO <sub>2</sub>	<0.01	0.04
		NO <sub>x</sub>	0.39	1.71
		CO	0.33	1.45
		VOC	0.02	0.09
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
E-119	RTP Chopper Nos. 7/8/12/13 Baghouse	PM/PM <sub>10</sub>	0.46	2.01
E-121	Twintex Vacuum Conveying System No. 1	PM/PM <sub>10</sub>	0.01	0.04
E-122	Twintex Vacuum Conveying System No. 2	PM/PM <sub>10</sub>	0.01	0.04
E-123	Furnace No. 2 Twintex Extruder/Fiberization System	VOC	0.66	2.89
E-124	Twintex Raw Material Storage Silo P-4 Baghouse	PM/PM <sub>10</sub>	0.04	----
E-125	Twintex Raw Material Storage Silo P-5 Baghouse	PM/PM <sub>10</sub>	0.04	----

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA <u>Emission Rates *</u>	
			lb/hr	TPY
E-126	Twintex Raw Material Storage Silo P-6 Baghouse	PM/PM <sub>10</sub>	0.04	----
E-127	Twintex Raw Material Storage Silo P-7 Baghouse	PM/PM <sub>10</sub>	0.04	----
E-128	Twintex Raw Material Storage Silo P-8 Baghouse	PM/PM <sub>10</sub>	0.04	----
E-129	Twintex Raw Material Storage Silo P-9 Baghouse	PM/PM <sub>10</sub>	0.04	----
E-147	Cleaning Stations 2, 3, and 4	VOC	1.47	0.99
E-151	Surface Coating Facility	VOC	3.30	0.22
E-152	Sandblast Operation	PM	1.88	0.40
E-524	Twintex Vacuum Conveying System	PM/PM <sub>10</sub>	0.01	0.04
E-525	Furnace No. 5 Twintex Thermoplastic Extruder/ Fiberization System	VOC	0.22	0.96
E-527	Twintex Raw Material Storage Silo P-1 Baghouse	PM/PM <sub>10</sub>	0.04	----
E-528	Twintex Raw Material Storage Silo P-2 Baghouse	PM/PM <sub>10</sub>	0.04	----

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E-529	Twintex Raw Material Storage Silo P-3 Baghouse	PM/PM <sub>10</sub>	0.04	----
E-124 through E-129 and E-527 through E-529	Twintex Raw Material Storage Silos P-1 through P-9 Baghouses	PM/PM <sub>10</sub>	----	0.18
F-510 A and B	Batch Blender (6) Baghouse	PM/PM <sub>10</sub> (10)	0.04	0.18
F-513	Furnace No. 5 Storage A Baghouse	PM/PM <sub>10</sub> (10)	0.03	0.13
F-514	Furnace No. 5 Storage B Baghouse	PM/PM <sub>10</sub> (10)	0.03	0.13
F-515	Furnace No. 5 Dry Scrubber and ESP (7)	PM/PM <sub>10</sub> (10)	13.27	58.12
		VOC (10)	0.50	2.20
		NO <sub>x</sub> (10)	16.63	72.84
		SO <sub>2</sub>	11.40	49.94
		CO	1.30	5.68
F-515 (16)	Furnace No. 5 Dry Scrubber and ESP (7)	PM/PM <sub>10</sub> (10)	9.17	40.16
		VOC (10)	0.36	1.58
		NO <sub>x</sub> (10)	19.25	84.32
		SO <sub>2</sub>	12.83	56.20
		CO	0.73	3.20
F-516 A-C	Furnace No. 5 Hot Air Dryer No. 1	PM/PM <sub>10</sub> (10)	0.22	0.96
		NO <sub>x</sub> (10)	0.49	2.13
		SO <sub>2</sub>	0.01	0.04
		CO	0.61	2.67
		VOC (10)	0.03	0.13
		VOC (Size) (10)	(5)	(5)
		Base	(8)	(8)

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
F-517 A-C	Furnace No. 5 Hot Air Dryer No. 2	PM/PM <sub>10</sub> (10)	0.22	0.96
		NO <sub>x</sub> (10)	0.49	2.13
		SO <sub>2</sub>	0.01	0.04
		CO	0.61	2.67
		VOC (10)	0.03	0.13
		VOC (Size) (10)	(5)	(5)
		Base	(8)	(8)
F-518 A-C	Furnace No. 5 Hot Air Dryer No. 3	PM/PM <sub>10</sub> (10)	0.22	0.96
		NO <sub>x</sub> (10)	0.49	2.13
		SO <sub>2</sub>	0.01	0.04
		CO	0.61	2.67
		VOC (10)	0.03	0.13
		VOC (Size) (10)	(5)	(5)
		Base	(8)	(8)
F-519 A-C	Furnace No. 5 Hot Air Dryer No. 4	PM/PM <sub>10</sub> (10)	0.22	0.96
		NO <sub>x</sub> (10)	0.49	2.13
		SO <sub>2</sub>	0.01	0.04
		CO	0.61	2.67
		VOC (10)	0.03	0.13
		VOC (Size) (10)	(5)	(5)
		Base	(8)	(8)
F-520 A-C	Furnace No. 5 Hot Air Dryer No. 5	PM/PM <sub>10</sub> (10)	0.22	0.96
		NO <sub>x</sub> (10)	0.49	2.13
		SO <sub>2</sub>	0.01	0.04
		CO	0.61	2.67
		VOC (10)	0.03	0.13
		VOC (Size) (10)	(5)	(5)
		Base	(8)	(8)

## 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
F-521A-C	Furnace No. 5 Hot Air Dryer No. 6	PM/PM <sub>10</sub>	0.24	1.05
		NO <sub>x</sub>	0.82	3.59
		SO <sub>2</sub>	<0.01	0.01
		CO	0.61	2.67
		VOC	0.03	0.13
		VOC (Size)	(5)	(5)
		Base	(8)	(8)
F-522	Furnace No. 5 Forehearth Monitor	PM/PM <sub>10</sub> (10)	0.14	0.61
		VOC (10)	0.10	0.44
		NO <sub>x</sub> (10)	1.80	7.88
		SO <sub>2</sub>	0.01	0.04
		CO	1.51	6.61
F-531	Furnace No. 5 Curing Oven Nos. 1 and 2	PM/PM <sub>10</sub> (10)	0.03	0.15
		NO <sub>x</sub> (10)	0.70	3.07
		SO <sub>2</sub>	0.01	0.05
		CO	0.14	0.61
		VOC (10)	<0.01	0.04
		VOC (Size) (10)	(5)	(5)
F-535	Boiler No. 3	PM/PM <sub>10</sub> (10)	0.08	0.36
		VOC (10)	0.05	0.20
		NO <sub>x</sub> (10)	2.29	10.01
		SO <sub>2</sub>	0.03	0.12
		CO	0.57	2.50
F-537	Diesel Generator	PM/PM <sub>10</sub> (10)	1.61	0.39
		VOC (10)	1.48	0.36
		NO <sub>x</sub> (10)	55.37	13.54
		SO <sub>2</sub>	0.93	0.23
		CO	12.69	3.10
F-541	Line No. 5 Forming Machine Scrubbers	PM/PM <sub>10</sub> (10)	6.37	27.90
		VOC (Size) (10)	(5)	(5)
		Base	(8)	(8)

# 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
FUG-11	Material Sizing Area Fugitives (4)	VOC (Size)	(5)	(5)
		Base	(8)	(8)
FUG-12	Size Staging Area Nos. 1 and 2 Fugitives (4)	VOC (Size)	(5)	(5)
		Base	(8)	(8)
FUG-13	Size Staging Area Nos. 3 and 4 Fugitives (4)	VOC (Size)	(5)	(5)
		Base	(8)	(8)
FUG-5	Furnace No. 5 Fugitives (4)	VOC (Size) (10)	(5)	(5)
		Base	(8)	(8)
WWPTP	Wastewater Pretreatment Fugitives (4)	VOC (Size)	(5)	(5)
		Base	(8)	(8)

- (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 area name or fugitive source name.
- (3) 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.  
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 CO - carbon monoxide  
 Base - water-soluble hydroxide
- (4) Fugitive emissions are an estimate only.
- (5) All noted EPNs are combined and included as "Total Size Compound VOCs" for the Furnaces 1 through 5 Manufacturing Lines. The VOC emissions from combustion from these sources, if any, are listed separately for each emission point. "Total Size Compound VOCs" are limited to 384.62 lb/hr and 267.01 tpy.
- (6) Emissions from EPNs F-510A and F-510B shall not occur simultaneously.
- (7) The PM emission limit for Furnace 5 (EPN F-515) shall not exceed 0.024 grain per dry standard cubic foot (front-half) as represented in the permit application. **(PSD)**
- (8) All noted EPNs are combined and included as "Total Size Compound Base" for Furnace Nos. 1-



EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

5 Manufacturing Lines. "Total Size Compound Base" is limited to 7.88 lb/hr and 34.51 tpy.

- (9) ---
- (10) PSD
- (11) Until September 30, 2005 or until Special Condition No. 11A is applicable for Furnace No. 2, EPN E-22A is allowed a maximum hourly NO<sub>x</sub> emission rate of 28.05 lb/hr and a maximum annual NO<sub>x</sub> emission rate of 122.86 tpy.
- (12) After Special Condition No. 11A is applicable for Furnace No. 2 and until September 30, 2005, EPN E-22A is allowed a maximum hourly NO<sub>x</sub> emission rate of 32.89 lb/hr and a maximum annual NO<sub>x</sub> emission rate of 144.06 tpy.
- (13) After Special Condition No. 11A is applicable for Furnace No. 2 and until September 30, 2005, EPN E-22A is allowed a maximum hourly PM/PM<sub>10</sub> emission rate of 9.10 lb/hr and a maximum annual PM/PM<sub>10</sub> emission rate of 39.88 tpy.
- (14) If Special Condition No. 11A is applicable for Furnace No. 1.
- (15) If Special Condition No. 11A is applicable for Furnace No. 2.
- (16) If Special Condition No. 11A is applicable for Furnace No. 5.

\* Emission rates are based on and the facilities are limited by the maximum production rates and other representations as listed in the confidential file summary of this permit and by the following maximum operating schedule:

Hrs/day\_\_\_\_Days/week\_\_\_\_Weeks/year\_\_\_\_ or Hrs/year 8,760

Dated December 29, 2003