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.

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
E-1	Silo No. 1 Baghouse	PM/PM ₁₀	0.08	0.35
E-2	Silo No. 2 Baghouse	PM/PM ₁₀	0.08	0.35
E-2A	Silo No. 2 Baghouse	PM/PM ₁₀	0.14	0.61
E-3	Silo No. 3 Baghouse	PM/PM ₁₀	0.08	0.35
E-3A	Silo No. 3 Baghouse	PM/PM ₁₀	0.14	0.61
E-4	Silo No. 4 Baghouse	PM/PM ₁₀	0.08	0.35
E-5	Silo No. 5 Baghouse	PM/PM ₁₀	0.08	0.35
E-6	Silo No. 6 Baghouse	PM/PM ₁₀	0.08	0.35
E-7A	Silo No. 7A Baghouse	PM/PM ₁₀	0.03	0.13
E-7B	Silo No. 7B Baghouse	PM/PM ₁₀	0.03	0.13
E-8	Silo No. 8 Baghouse	PM/PM ₁₀	0.08	0.35
E-9	Silo No. 9 Baghouse	PM/PM ₁₀	0.08	0.35
E-10	Silo No. 10 Baghouse	PM/PM ₁₀	0.15	0.66
E-11	Silo No. 11 Baghouse	PM/PM ₁₀	0.15	0.66
E-12	Silo No. 12 Baghouse	PM/PM ₁₀	0.08	0.35

Emission Point No. (1)	Source Name (2)	Aiı	r Contaminant Name (3)	Emission R	ates * TPY
E-15	Batch Blender No. 2		PM/PM ₁₀	0.11	0.48
E-15A	Batch Blender No. 2		PM/PM ₁₀	0.11	0.48
E-16	Batch Blender No. 3		PM/PM ₁₀	0.16	0.70
E-16A	Batch Blender No. 3		PM/PM ₁₀	0.16	0.70
E-17	Scale 5 Baghouse		PM/PM ₁₀	0.09	0.39
E-18	BH Vacuum Baghouse		PM/PM ₁₀	0.04	0.18
E-19	Scale Hopper Baghouse		PM/PM ₁₀	0.09	0.39
E-21A	Furnace No. 1 ESP and Scrubber	NO _x	PM/PM ₁₀ VOC 11.81 SO ₂ CO	5.63 0.19 51.73 7.88 2.81	24.66 0.83 34.51 10.00
E-23A	Furnace No. 3 ESP and Scrubber		PM/PM_{10} SO_2 NO_x CO VOC	5.46 6.66 11.46 2.73 0.28	23.91 29.17 50.19 7.50 1.23
E-24A	Furnace No. 4 ESP and Scrubber		PM/PM ₁₀ SO ₂ NO _x CO VOC	4.58 11.14 9.63 2.29 0.22	20.06 48.79 42.18 7.50 0.96
E-25	Batch Hold Bin No. 1 Baghouse		PM/PM ₁₀	0.16	0.70
E-26	Batch Hold Bin No. 2		PM/PM ₁₀	0.16	0.70

Emission	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
	Baghouse			
E-27A	Batch Hold Bin No. 3A Baghouse	PM/PM ₁₀	0.25	1.10
E-27B	Batch Hold Bin No. 3B Baghouse	PM/PM ₁₀	0.16	0.70
E-28	Batch Hold Bin No. 4 Baghouse	PM/PM ₁₀	0.25	1.10
E-30	Cleaning Oven	VOC	0.33	1.42
E-31 A-F	Hot Air Dryer No. 31	PM/PM ₁₀ SO ₂ NO _x CO VOC VOC (Size) Base	0.71 <0.01 0.94 2.61 0.03 (5) (8)	(10)
E-32 A-F	Hot Air Dryer No. 32	PM/PM ₁₀ SO ₂ NO _x CO VOC VOC (Size) Base	0.71 <0.01 0.94 2.61 0.03 (5) (8)	(10)
E-33 A-D	Hot Air Dryer No. 33	PM/PM ₁₀ SO ₂	0.71 <0.01	(10)

Emission	Source	Air Contaminant	Emission R	ates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		NO _x CO VOC VOC (Size) Base	0.94 5.51 0.03 (5) (8)	
E-34 A-D	Hot Air Dryer No. 34	PM/PM ₁₀ SO ₂ NO _x CO VOC VOC (Size) Base	0.71 <0.01 0.94 5.51 0.03 (5) (8)	(10)
E-35 A-D	Hot Air Dryer No. 35	PM/PM ₁₀ SO ₂ NO _x CO VOC VOC (Size) Base	0.71 <0.01 0.94 5.51 0.03 (5) (8)	(10)
E-36 A-D	Hot Air Dryer No. 36	PM/PM ₁₀ SO ₂ NO _x CO VOC VOC (Size) Base	0.71 <0.01 0.94 5.51 0.03 (5) (8)	(10)
E-38 A-J	Dielectric Oven No. 38	PM/PM ₁₀ VOC (Size) Base	0.38 (5) (8)	1.66 (5) (8)
E-39, E-99, E-100	Grouped RTP Dryers and Chop	pers	PM/PM ₁₀ 1.75	7.67

Emission	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E-112 and E-113	(RTP Dryer No. 15 Baghouse; RTP Dryer No. 10 and RTP Chopper No. 10 Baghouse; RTP Dryer No. 11 and RTP Chopper No. 11 Baghouse; RTP Dryer No. 12 Baghouse; and RTP Dryer No. 13 Baghouse	SO ₂ NO _x CO VOC VOC (Size) Base	<0.01 0.99 0.83 0.05 (5) (8)	0.04 4.34 3.64 0.22 (5) (8)
E-41 A-E	Mat Line (Dryers and Cleaner)	PM/PM_{10} VOC NO_x SO_2 CO	1.32 0.02 0.45 <0.01 0.38	5.78 0.09 1.97 0.01 1.66
E-42 A and B	Dielectric Dryer No. 1	PM/PM ₁₀ VOC (Size) Base	0.11 (5) (8)	0.48 (5) (8)
E-43 A and B	Dielectric Dryer No. 8	PM/PM ₁₀ VOC (Size) Base	0.11 (5) (8)	0.48 (5) (8)
E-45 A-D	Hot Air Dryer No. 45	PM/PM ₁₀ SO ₂ NO _x CO VOC VOC (Size) Base	0.71 <0.01 0.94 5.51 0.03 (5) (8)	(10)
E-52	Boiler No. 2	PM/PM ₁₀ VOC	0.19 0.14	0.83 0.61

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
		NO _x SO ₂ CO	2.48 0.02 2.08	10.86 0.07 9.11
E-71	Propane Flare	PM/PM_{10} VOC NO_x SO_2 CO	0.18 13.28 3.65 0.49 7.29	0.02 1.33 0.37 0.05 0.73
E-72 and E-76	Fuel Fugitives and Diesel Storage Tank (4)	VOC	3.06	13.42
E-75A	Propane Evaporator No. 1	PM/PM_{10} VOC NO_x SO_2 CO	0.01 0.01 0.19 <0.01 0.16	<0.01 <0.01 0.05 <0.01 0.04
E-75B	Propane Evaporator No. 2	PM/PM_{10} VOC NO_x SO_2 CO	0.02 0.01 0.21 <0.01 0.17	0.01 <0.01 0.05 <0.01 0.04
E-75C	Propane Evaporator No. 3	PM/PM_{10} VOC NO_x SO_2 CO	0.02 0.01 0.21 <0.01 0.17	0.01 <0.01 0.05 <0.01 0.04
E-75D	Propane Evaporator No. 4	PM/PM_{10} VOC NO_x SO_2 CO	0.02 0.01 0.21 <0.01 0.17	0.01 <0.01 0.05 <0.01 0.04
E-81 and E-82	Forming Line No. 1 and No. 2 Scrubbers	PM/PM ₁₀ VOC (Size) Base	4.70 (5) (8)	20.59 (5) (8)

Emission	Source	Air Contaminant	Emission F	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E-83, E-86A and B,	Forming Line No. 3	PM/PM ₁₀	5.51	24.13
and E-84	Scrubbers and Forming Line	VOC (Size)	(5)	(5)
	No. 4 Scrubber	Base	(8)	(8)
E-91 and E-92	Consolidated Furnaces No. 1	PM/PM ₁₀	0.13	0.57
	and No. 2 Forehearths	VOC	0.09	0.39
		NO _x	1.68	7.36
		SO₂	< 0.01	0.04
		СО	1.41	6.18
E-93	Furnace No. 3 Forehearth	PM/PM ₁₀	0.05	0.22
		SO_2	< 0.01	0.02
		NO_x	0.60	2.63
		CO	0.50	2.19
		VOC	0.03	0.13
E-94	Furnace No. 4 Forehearth	PM/PM ₁₀	0.30	1.32
	and RTP Chopper 14 and 15	SO_2	0.01	0.04
	Baghouses	NO _x	0.98	4.29
		CO	0.82	3.59
		VOC	0.05	0.22
E-95	No. 1 Scales Batch Blender Baghouse	PM/PM ₁₀	0.11	0.48
E-97	No. 1 Reject Batch	PM/PM ₁₀	0.11	0.05
	Tank Baghouse			
E-98 A-D	Hot Air Dryer No. 98	PM/PM ₁₀	0.71	(10)
		NO_x	0.93	
		SO_2	<0.01	
		CO	5.51	
		VOC	0.03	
		VOC (Size)	(5)	
= 00 4 B = 04 4 =	0 111 1 1 5	Base	(8)	
E-98 A-D, E-31 A-F	Grouped Hot Air Dryers	PM/PM ₁₀		5.76
through E-36 A-D,	Nos. 31, 32, 33, 34, 35, 36, 45			32.93
and E-45 A-D	and 98	SO₂ O	24.02	0.12
	C	·	34.92	

Emission	Source	Air Contaminant	Emission F	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E-101	Dielectric Oven No. 101	VOC VOC (Size) Base PM/PM ₁₀ VOC (Size) Base	1.07 (8) 0.08 (5) (8)	(5) 0.35 (5) (8)
E-105	Post Curing Oven No. 1	$\begin{array}{c} PM/PM_{10} \\ VOC \\ NO_x \\ SO_2 \\ CO \end{array}$	0.01 <0.01 0.08 <0.01 0.07	0.04 0.04 0.35 0.04 0.31
E-106	Post Curing Oven No. 2	$\begin{array}{c} PM/PM_{10} \\ VOC \\ NO_x \\ SO_2 \\ CO \end{array}$	0.01 0.01 0.10 <0.01 0.08	0.04 0.04 0.44 0.04 0.35
E-107	Post Curing Oven No. 3	$\begin{array}{c} PM/PM_{10} \\ VOC \\ NO_x \\ SO_2 \\ CO \end{array}$	0.01 0.01 0.10 <0.01 0.08	0.04 0.04 0.44 0.04 0.35
E-109	Pneumatic Transfer Hold Tank Baghouse	PM/PM ₁₀	0.15	0.66
E-115	RR Unloading Area Vacuum Cleaning System Baghouse		0.03	0.04
E-116	RTP Dryer No. 16 Baghouse	PM/PM ₁₀ SO ₂ NO _x CO VOC VOC (Size)	0.58 <0.01 0.39 0.33 0.02 (5)	2.54 0.04 1.71 1.45 0.09 (5)

Emission	Source A	ir Contaminant	Emission I	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
		Base	(8)	(8)
E-117	RTP Dryer No. 17 Baghouse	PM/PM ₁₀ SO ₂ NO _x CO VOC VOC (Size) Base	0.58 <0.01 0.39 0.33 0.02 (5) (8)	2.54 0.04 1.71 1.45 0.09 (5) (8)
E-119	RTP Chopper Nos. 7, 8, 12, and 13 Baghouse	3 PM/PM ₁₀	0.46	2.01
E-121	Twintex Vacuum Conveying System No. 1 Baghouse	PM/PM ₁₀	0.01	0.04
E-122	Twintex Vacuum Conveying System No. 2 Baghouse	PM/PM ₁₀	0.01	0.04
E-123	Furnace No. 2 Twintex Extruder and Fiberization System	VOC	0.67	2.93
E-124	Twintex Raw Material Storage Silo P-4 Baghouse	PM/PM ₁₀	0.04	
E-125	Twintex Raw Material Storage Silo P-5 Baghouse	PM/PM ₁₀	0.04	
E-126	Twintex Raw Material Storage Silo P-6 Baghouse	PM/PM ₁₀	0.04	
E-127	Twintex Raw Material Storage Silo P-7 Baghouse	PM/PM ₁₀	0.04	
E-128	Twintex Raw Material Storage Silo P-8 Baghouse	PM/PM ₁₀	0.04	
E-129	Twintex Raw Material Storage	PM/PM ₁₀	0.04	

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission F</u> lb/hr	Rates * TPY
POINT NO. (1)	Name (2)	Name (5)	10/111	<u>IFT</u>
	Silo P-9 Baghouse			
E-124 through E-129	Twintex Raw Material Storage Silos P-4 through P-9 Baghous	PM/PM ₁₀ ses		0.18
E-130	RTP Chopper Nos. 18 and 19 Baghouse	PM/PM ₁₀	0.23	1.01
E-131	Twintex Pellet Line Dryer and Rod Extruder	PM_{10} VOC	0.21 0.16	0.92 0.70
E-132-FUG	Twintex Pellet Sizing and Packa	aging	PM ₁₀ 0.01	0.04
E-147A and B	Cleaning Stations 2 and 3	VOC	0.98	0.66
E-147C	Cleaning Station 4	VOC	0.49	0.33
E-155		Booth ethyl Methacrylate cetone	Styrene 2.53 0.23 4.57	0.51 0.05 2.50
F-510 A and B	Batch Blender (6) Baghouse	PM/PM ₁₀ (9)	0.04	0.18
F-513	Furnace No. 5 Storage A Baghouse	PM/PM ₁₀ (9)	0.03	0.13
F-514	Furnace No. 5 Storage B Baghouse	PM/PM ₁₀ (9)	0.03	0.13
F-515	Furnace No. 5 Dry Scrubber and ESP (7)	$\begin{array}{c} PM/PM_{10} \ \ (9) \\ VOC \ \ \ (9) \\ NO_{x} \ \ \ (9) \\ SO_{2} \\ CO \end{array}$	9.17 0.36 19.25 12.83 4.58	40.16 1.58 84.32 56.20 20.06
F-516 A-C	Furnace No. 5 Hot Air Dryer No. 1	PM/PM ₁₀ (9) NO _x (9)	0.22 0.49	0.96 2.15

Emission	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		SO ₂ CO VOC (9) VOC (Size) (9) Base	<0.01 0.61 0.03 (5) (8)	0.04 2.67 0.13 (5) (8)
F-517 A-C	Furnace No. 5 Hot Air Dryer No. 2	PM/PM ₁₀ (9) NO _x (9) SO ₂ CO VOC (9) VOC (Size) (9) Base	0.22 0.49 0.01 0.61 0.03 (5) (8)	0.96 2.15 0.04 2.67 0.13 (5) (8)
F-518 A-C	Furnace No. 5 Hot Air Dryer No. 3	PM/PM ₁₀ (9) NO _x (9) SO ₂ CO VOC (9) VOC (Size) (9) Base	0.22 0.49 0.01 0.61 0.03 (5) (8)	0.96 2.15 0.04 2.67 0.13 (5) (8)
F-519 A-C	Furnace No. 5 Hot Air Dryer No. 4	PM/PM ₁₀ (9) NO _x (9) SO ₂ CO VOC (9) VOC (Size) (9) Base	0.22 0.49 0.01 0.61 0.03 (5) (8)	0.96 2.15 0.04 2.67 0.13 (5) (8)
F-520 A-C	Furnace No. 5 Hot Air	PM/PM ₁₀ (9)	0.22	0.96

Emission	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
F-521A-C	Dryer No. 5 Furnace No. 5 Hot Air Dryer No. 6	NO _x (9) SO ₂ CO VOC (9) VOC (Size) (9) Base PM/PM ₁₀ NO _x SO ₂ CO VOC	0.49 0.01 0.61 0.03 (5) (8) 0.22 0.49 <0.01 0.61 0.03	2.15 0.04 2.67 0.13 (5) (8) 0.96 2.15 0.04 2.67 0.13
		VOC (Size) Base	(5) (8)	(5) (8)
F-522	Furnace No. 5 Forehearth Monitor	PM/PM $_{10}$ (9) VOC (9) NO $_{x}$ (9) SO $_{2}$ CO	0.14 0.10 1.80 0.01 1.51	0.61 0.44 7.88 0.04 6.61
F-531	Furnace No. 5 Curing Oven Nos. 1 and 2	PM/PM_{10} (9) NO_x (9) SO_2 CO VOC (9) VOC (Size) (9)	0.05 0.71 <0.01 0.60 0.04 (5)	0.22 3.11 0.04 2.63 0.18 (5)
F-532	Furnace 5 Post-Coat Vent 1 VC	PM/PM ₁₀ OC 0.01	0.04 0.06	0.18
F-533	Furnace 5 Post-Coat Vent 2 VC	PM/PM ₁₀ OC 0.01	0.04 0.06	0.18
F-535	Boiler No. 3	PM/PM_{10} (9) VOC (9) NO_{x} (9) SO_{2}	0.13 0.09 1.67 0.01	0.57 0.39 7.31 0.04

AIR CONTAMINANTS DATA

Emission	Source	Aiı	r Contaminant	Emission Rat	<u>es *</u>
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY
			СО	1.40	6.13
F-541	Line No. 5 Forming Machine Scrubbers)	PM/PM_{10} (9) VOC (Size) (9) Base	6.37 (5) (8)	27.90 (5) (8)
F-542 A-D	Furnace 5 Post-Curing Over No. 3	SO ₂ CO VOC	PM/PM ₁₀ NO _x <0.01 0.12 0.01	0.01 0.15 0.04 0.53 0.04	0.04 0.66
F-543 A-D	Furnace 5 Post-Curing Over No. 4	SO ₂ CO VOC	PM/PM ₁₀ NO _x <0.01 0.12 0.01	0.01 0.15 0.04 0.53 0.04	0.04 0.66
E-544	Furnace 5 RTP Chopper 1		PM/PM ₁₀	0.23	1.01
E-545	Furnace 5 RTP Chopper 2		PM/PM ₁₀	0.23	1.01
E-546	Furnace 5 RTP Dryer 1	SO ₂ CO VOC	PM/PM ₁₀ NO _x <0.01 0.33 0.02	0.57 0.39 0.01 1.45 0.09	2.50 1.74

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

E-547	Furnace 5 RTP Dryer 2	SO ₂ CO VOC	PM/PM ₁₀ NO _x <0.01 0.33 0.02	0.57 0.39 0.01 1.45 0.09	2.50 1.74
FUG-11	Material Sizing Area Fugitives (4)		VOC (Size) Base	(5) (8)	(5) (8)
FUG-12	Size Staging Area Nos. 1 and 2 Fugitives (4)	Ва	VOC (Size) ase	(5) (8)	(5) (8)
FUG-13	Size Staging Area Nos. 3 and 4 Fugitives (4)		VOC (Size) Base	(5) (8)	(5) (8)
FUG-5	Furnace No. 5 Fugitives (4))	VOC (Size) (9 Base	(5) (8)	(5) (8)
WWPTP	Wastewater Pretreatment Fugitives (4)		VOC (Size) Base	(5) (8)	(5) (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 PM₁₀
 - PM₁₀ 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_x - total oxides of nitrogen

SO₂ - sulfur dioxide CO - carbon monoxide

Base - water-soluble hydroxide

- (4) Fugitive emissions are an estimate only.
- (5) All noted emission point numbers (EPNs) are combined and included as "Total Size Compound VOCs" for the Furnaces 1, 3, 4, and 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 398.80 pounds per hour (lb/hr) and 272.78 tons per year (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 1, 3, 4, and 5 Manufacturing Lines. "Total Size Compound Base" is limited to 7.58 lb/hr and 34.51 tpy.
- (9) PSD
- (10) Annual emission rates for Hot Air Dryers are grouped together and listed under EPNs E-98A-D, E-31A-F through E-36A-D, and E-45A-D.

*	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 We	eeks/year (or Hrs/year _	<u>8,760</u>
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Dated January 10, 2008