Permit Numbers 946A and PSD-TX-1025M1

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	TPY
1/2/3/4/5	Lines 92 and 93 Collectors and High Energy Air Filtration (HEAF) - Stacks		PM Total VOC NO _x SO ₂ CO NH ₃ Formaldehyde Phenol Methyl Alcohol	33.50 21.61 11.76 6.53 57.46 36.00 8.50 4.12 3.69	146.73 94.64 51.51 28.65 251.67 157.68 37.23 18.05 16.15
15A	Glass Furnaces (1901 and 1902) ESP - Stack	d HF	PM ₁₀ VOC NO _x SO ₂ CO 0.16	10.11 0.24 17.52 5.38 1.10 0.70	44.30 1.07 76.75 23.59 4.80
FHFUG	1901 Forehearth (4)	VOC NO _x	PM ₁₀ 0.07 1.32 SO ₂ CO	0.17 0.32 5.79 0.01 1.11	0.72 0.03 4.87
FHFUG2	1902 Furnace Forehearth	(4) NO _x	PM ₁₀ 1.46 SO ₂ CO	0.25 6.40 <0.01 1.10	1.10 0.05 4.80
FMFUG	1901 Forming Area (4) NH ₃	VOC	PM ₁₀ 0.59 0.60	1.50 2.58 2.63	6.57

Emission	Source	Air Contaminant	Emission F	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
BFUG	1901 Batch Plant (4)	PM ₁₀	0.06	0.28
MXBIN1	1901 E-Glass Mixing Bin (North) (4)	PM ₁₀	0.014	0.06
MXBIN2	1901 E-Glass Mixing Bin (South) (4)	PM ₁₀	0.014	0.06
16	Line 91 Collection Wet Scrubber No. 1 - Stack	PM_{10} Total VOC NO_x SO_2 CO NH_3 Formaldehyde $Phenol$	4.50 3.84 1.29 0.01 9.15 4.20 0.68 0.75	19.08 12.38 5.63 0.04 40.17 18.37 2.97 3.29
17	Line 91 Collection Wet Scrubber No. 2 - Stack	PM ₁₀ Total VOC NO _x SO ₂ CO NH ₃ Formaldehyde Phenol	4.50 3.84 1.29 0.01 9.15 4.20 0.68 0.75	19.08 12.38 5.63 0.04 40.17 18.37 2.97 3.29
18	Line 91 Collection Wet Scrubber No. 3 - Stack	PM ₁₀ Total VOC NO _x SO ₂ CO NH ₃ Formaldehyde Phenol	4.50 3.84 1.29 0.01 9.15 4.20 0.68 0.75	19.08 12.38 5.63 0.04 40.17 18.37 2.97 3.29

Emission	Source	Air Contaminant	Emission	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
19	Line 91 Collection Wet Scrubber No. 4 - Stack	PM ₁₀ Total VOC NO _x SO ₂ CO NH ₃ Formaldehyde Phenol	4.50 3.84 1.29 0.01 9.15 4.20 0.68 0.75	19.08 12.38 5.63 0.04 40.17 18.37 2.97 3.29
20	Line 91 Oven Wet Scrubber - Stack	PM ₁₀ Total VOC NO _x SO ₂ CO NH ₃ Formaldehyde Phenol	4.51 7.82 4.38 0.01 22.28 7.02 1.60 1.00	18.96 34.24 19.18 0.04 97.58 30.75 7.00 4.38
21	Line 91 Melters Baghouse No. 1 - Stack	Total PM ₁₀ VOC NO _x SO ₂ CO Boron Oxide	0.99 0.32 0.11 2.51 4.13 0.40	4.34 1.39 0.50 10.97 18.08 1.75
22	Line 91 Cold End/ Horizontal Band Saw Baghouse No. 2 - Stack	PM ₁₀	0.06	0.26
23	Line 91 Batch Loading Shed Baghouse No. 3 - Stack	d PM ₁₀	0.03	0.13
24	Line 91 Unload Shed Baghouse No. 4 - Stack	PM_{10}	0.03	0.13
25	Line 91 Melter Dust Refeed	PM ₁₀	0.03	0.13

Emission Source		ir Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
`,	Baghouse No. 5 - Stack			
26	Line 91 Mixed Batch Day Bin Baghouse No. 6 - Stack	PM ₁₀	0.03	0.13
27	Line 91 Mixed Batch Day Bin Baghouse No. 7 - Stack	PM ₁₀	0.03	0.13
28	Line 91 Mixed Batch Day Bin Baghouse No. 8 - Stack	PM ₁₀	0.03	0.13
29	Line 91 Mixed Batch Day Bin Baghouse No. 9 - Stack	PM ₁₀	0.03	0.13
35	South Trim Waste Re-Feed Baghouse	PM ₁₀	0.03	0.12
36	North Trim Waste Re-Feed Baghouse	PM ₁₀	0.03	0.12
37	Off-Line Trim Waste Re-Feed Baghouse	PM ₁₀	0.08	0.36
RA901	1901 E-Glass Reclaim Area (4	VOC NO _x SO ₂ CO	0.62 0.45 0.10 <0.01 0.08 0.44	2.72 1.97 0.44 0.01 0.35
DRYTUN	Gypsum Drying Tunnel Scrubber Stack	Total PM ₁₀ Total VOC NO _x SO ₂ CO	0.62 2.51 0.15 <0.01 0.12	2.72 11.00 0.64 <0.01 0.54

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
OGMFUG	Offline Grooving Machine (4)	PM_{10}	0.14	0.61

- (1) Emission point identification either specific equipment designation or emission point number from 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
 - PM_{10} particulate matter less than or equal to 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than PM_{10} is equal to PM.
 - 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
 - NH₃ ammonia
 - HF hydrogen fluoride
- (4) Fugitive emissions are an estimate only.
- * Emission rates are based on and the facilities are limited by the following maximum hourly production rates for each of the following lines:

(Confidential file)
(Confidential file)
(Confidential file)
(Confidential file)

Annual emission rates are based on the following continuous operation schedule
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Hrs/day	Days/week	_ Weeks/year	_ or Hrs/year _	8,760
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