EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
1/2/3/4/5	Lines 92 and 93 Collectors and High Energy Air Filtration (HEAF) - Stacks	PM	33.50	146.73
		Total VOC	21.61	94.64
		NO_x	11.76	51.51
		SO_2	6.53	28.65
		CO	57.46	251.67
		NH_3	36.00	157.68
		Formaldehyde	8.50	37.23
		Phenol	4.12	18.05
		Methyl Alcohol	3.69	16.15
15A	Glass Furnaces (1901 and 1902) ESP - Stack	PM_{10}	10.11	44.30
		VOC	0.24	1.07
		NO_x	17.52	76.75
		SO_2	5.38	23.59
		CO	1.10	4.80
		HF	0.16	0.70
FHFUG	1901 Forehearth (4)	PM_{10}	0.17	0.72
		VOC	0.07	0.32
		NO_x	1.32	5.79
		SO_2	0.01	0.03
		CO	1.11	4.87
FHFUG2	1902 Furnace Forehearth (4)	PM_{10}	0.25	1.10
		NO_x	1.46	6.40
		SO_2	<0.01	0.05
		CO	1.10	4.80
FMFUG	1901 Forming Area (4)	PM_{10}	1.50	6.57
		VOC	0.59	2.58
	NH_3		0.60	2.63

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * 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}	4.50	19.08
		Total VOC	3.84	12.38
		NO_x	1.29	5.63
		SO_2	0.01	0.04
		CO	9.15	40.17
		NH_3	4.20	18.37
		Formaldehyde	0.68	2.97
		Phenol	0.75	3.29
17	Line 91 Collection Wet Scrubber No. 2 - Stack	PM_{10}	4.50	19.08
		Total VOC	3.84	12.38
		NO_x	1.29	5.63
		SO_2	0.01	0.04
		CO	9.15	40.17
		NH_3	4.20	18.37
		Formaldehyde	0.68	2.97
		Phenol	0.75	3.29
18	Line 91 Collection Wet Scrubber No. 3 - Stack	PM_{10}	4.50	19.08
		Total VOC	3.84	12.38
		NO_x	1.29	5.63
		SO_2	0.01	0.04
		CO	9.15	40.17
		NH_3	4.20	18.37
		Formaldehyde	0.68	2.97
		Phenol	0.75	3.29

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
19	Line 91 Collection Wet Scrubber No. 4 - Stack	PM_{10}	4.50	19.08
		Total VOC	3.84	12.38
		NO_x	1.29	5.63
		SO_2	0.01	0.04
		CO	9.15	40.17
		NH_3	4.20	18.37
		Formaldehyde	0.68	2.97
		Phenol	0.75	3.29
20	Line 91 Oven Wet Scrubber (with Ring- Burner) - Stack	PM_{10}	4.51	18.96
		Total VOC	7.82	34.24
		NO_x	4.38	19.18
		SO_2	0.01	0.04
		CO	22.28	97.58
		NH_3	7.02	30.75
		Formaldehyde	1.60	7.00
		Phenol	1.00	4.38
21	Line 91 Melters Baghouse No. 1 - Stack	Total PM_{10}	0.99	4.34
		VOC	0.32	1.39
		NO_x	0.11	0.50
		SO_2	2.51	10.97
		CO	4.13	18.08
		Boron Oxide	0.40	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	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 SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * 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)	PM_{10}	0.62	2.72
		VOC	0.45	1.97
		NO_x	0.10	0.44
		SO_2	<0.01	0.01
		CO	0.08	0.35
		NH_3	0.10	0.44
DRYTUN	Gypsum Drying Tunnel Scrubber Stack	Total PM_{10}	0.62	2.72
		Total VOC	2.51	11.00
		NO_x	0.15	0.64
		SO_2	<0.01	<0.01
		CO	0.12	0.54

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * 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 PM_{10}
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 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
NH_3 - 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:

Line 92 (Confidential file)
Line 93 (Confidential file)
Line 91 (Confidential file)
E-Glass (Confidential file)

Annual emission rates are based on the following continuous operation schedule:

Hrs/day ___ Days/week ____ Weeks/year ____ or Hrs/year 8,760

Dated March 10, 2005