EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 946A

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
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	7.46	32.65
		PM_{10}	7.46	32.65
		$PM_{2.5}$	7.46	32.65
		VOC	0.12	0.53
		NO_x	18.32	80.26
		SO2	4.20	18.36
		CO	0.55	2.40
		HF	0.18	0.78
		Pb	0.00035	0.00153
FHFUG	1901 Furnace Forehearth (5)	PM	0.09	0.40
		PM_{10}	0.09	0.40
		$PM_{2.5}$	0.09	0.40

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		VOC	0.05	0.24
		NO_x	0.98	4.28
		SO_2	0.01	0.03
		CO	0.82	3.59
		HF	0.05	0.21
FHFUG2	1902 Furnace Forehearth (5)	PM	0.25	1.10
		PM_{10}	0.25	1.10
		VOC	0.04	0.18
		NO_x	1.46	6.40
		SO_2	<0.01	0.05
		CO	1.10	4.80
FMFUG	1901 Forming Area (5)	PM	1.67	7.30
		PM_{10}	1.67	7.30
		VOC	0.75	3.29
		NH_3	0.13	0.58
BFUG	1901 Batch Plant (5)	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
MXBIN1	1901 E-Glass Mixing Bin (North) (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
MXBIN2	1901 E-Glass Mixing Bin (South) (5)	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
16	Line 91 Collection Wet Scrubber No. 1 - Stack	PM	4.50	19.08
		PM_{10}	4.50	19.08
		Total VOC	3.84	12.38

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		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	4.50	19.08
		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	4.50	19.08
		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	0.17
		NH_3	4.20	18.37
		Formaldehyde	0.68	2.97
		Phenol	0.75	3.29
	Wet Scrubber No.	PM_{10}	4.50	19.08

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	4 - Stack	PM_{10}	4.50	19.08
		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 Curing Oven Wet Scrubber (with Ring - Burner) - Stack	PM	4.51	18.96
		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	PM	0.99	4.34
		PM_{10}	0.99	4.34
		Total VOC	3.72	16.27
		NO_x	0.11	0.50
		SO_2	1.12	4.92
		CO	5.27	23.08
		Boron Oxide	0.04	1.75
		Pb	0.000166	0.000736
		As	0.000223	0.000977

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		Cd	0.000088	0.000389
		Cr	0.00425	0.0186
22	Line 91 Cold End/Horizontal Band Saw Baghouse No. 2 - Stack	PM	0.06	0.26
		PM_{10}	0.03	0.26
23	Line 91 Batch Loading Shed Baghouse No. 3 - Stack	PM	0.03	0.13
		PM_{10}	0.03	0.13
24	Line 91 Unloading Shed Baghouse No. 4 - Stack	PM	0.03	0.13
		PM_{10}	0.03	0.13
25	Line 91 Melter Dust Re-Feed Baghouse No. 5 - Stack	PM	0.03	0.13
		PM_{10}	0.03	0.13
26	Line 91 Mixed Batch Day Bin Baghouse No. 6 - Stack	PM	0.03	0.13
		PM_{10}	0.03	0.13
27	Line 91 Mixed Batch Day Bin Baghouse No. 7 - Stack	PM	0.03	0.13
		PM_{10}	0.03	0.13
28	Line 91 Mixed Batch Day Bin Baghouse No. 8 - Stack	PM	0.03	0.13
		PM_{10}	0.03	0.13
29	Line 91 Mixed	PM	0.03	0.13

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	Batch Day Bin Baghouse No. 9 -	PM_{10}	0.03	0.13
35	South Trim Waste Re-Feed Baghouse	PM	0.03	0.13
		PM_{10}	0.03	0.13
36	North Trim Waste Re-Feed Baghouse	PM	0.03	0.13
		PM_{10}	0.03	0.13
37	Off-Line Trim Waste Re-Feed Baghouse	PM	0.08	0.36
		PM_{10}	0.08	0.36
RA901	1901 E-Glass Reclaim Area	PM	0.62	2.72
		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	PM	0.28	1.23
		PM_{10}	0.28	1.23
		Total VOC	0.14	0.61
		NO_x	0.15	0.66
		SO_2	<0.01	<0.01
		CO	0.13	0.55
OGMFUG	Offline Grooving Machine (5)	PM	0.14	0.61
		PM_{10}	0.14	0.61

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FUGRM	1901 Batch Drop Railcar Unloading	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
HRVOC - highly reactive volatile organic compounds as defined in 30 TAC § 115.10
IOC-U - inorganic compounds (unspeciated)
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

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(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____