EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 20365 and PSDTX785M7

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	No. 1 and No. 2 Power Boiler Stack (Power Boiler 1)	PM	2.61	10.05
		PM_{10}	2.61	10.05
		NO_x	50.89	190.76
		CO	56.85	249.00
		SO_2	0.21	0.79
		VOC	1.89	7.28
1	No. 1 and No. 2 Power Boiler Stack (Power Boiler 2)	PM	58.46	240.90
		PM_{10}	58.46	240.90
		NO_x	268.00	1173.80
		CO	190.00	832.30
		SO_2	2.30	10.10
		VOC	20.00	87.60
1	No. 1 and No. 2 Power Boiler Stack (Power Boiler 2 when firing non-condensible gases) (5)	PM	58.46	
		PM_{10}	58.46	
		NO_x	268.00	
		CO	190.00	
		SO_2	27.36	111.74
		VOC	33.53	89.62
		TRS/H_2S	0.29	1.14
3 and 4	No. 3 Recovery Boiler Stacks (Both North and South Stacks)	PM	27.00	118.20
		PM_{10}	27.00	118.20
		NO_x	141.50	497.18

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
		CO	163.80	716.20
		TRS#	4.00	17.40
		H_2S	4.00	17.40
		SO_2#	74.98	327.40
		H_2SO_4	9.73	42.16
		VOC	14.00	60.00
		Fluorides	0.14	0.61
		HCl	0.72	3.16
5A	Black Liquor Soap Separator Tank	VOC	0.36	1.58
		TRS	0.11	0.48
		H_2S	0.02	0.08
5B	No. 3 Smelt Dissolving Tank	PM	5.91	25.60
		PM_{10}	5.91	25.60
		NO_x	1.70	7.30
		TRS	1.70	7.40
		H_2S	1.70	7.40
		SO_2	6.70	29.20
		VOC	14.07	60.95
7	No. 7 Lime Kiln ESP Stack	PM	6.78	29.13
		PM_{10}	6.78	29.13
		NO_x	51.71	217.44
		CO	13.58	57.12
		TRS#	0.95	3.99
		H_2S	0.95	3.99
		SO_2#	12.83	53.95
		H_2SO_4	0.13	0.55
		VOC	5.00	21.02
13	No. 4 Lime Slaker Stack	PM	1.37	6.00
		PM_{10}	1.37	6.00
		VOC	0.13	0.59
14	No. 1 Lime Slaker Stack	PM	1.37	6.00
		PM_{10}	1.37	6.00
		VOC	0.12	0.53
16A	No. 7 Lime Slaker Stack	PM	1.37	5.76

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
		PM_{10}	1.37	5.76
		VOC	0.31	1.29
19A	No. 1 Starch Unload	PM	0.09	0.13
		PM_{10}	0.09	0.13
19B	No. 2 Starch Unload	PM	0.09	0.13
		PM_{10}	0.09	0.13
19C	No. 3 Starch Unload	PM	0.09	0.13
		PM_{10}	0.09	0.13
26	No. 4 Recovery Boiler Stack (includes Nos. 4S and 4N Smelt Dissolving Tanks)	PM	50.00	219.00
		PM_{10}	50.00	219.00
		NO_x	171.60	751.60
		CO	261.10	1143.80
		TRS	6.30	27.80
		H_2S	6.30	27.80
		SO_2	119.40	522.90
		H_2SO_4	12.80	56.00
		VOC	17.90	78.40
		Fluorides	0.30	1.31
		HCl	1.31	5.74
43	No. 1 Lime Kiln Stack	PM	12.16	39.95
		PM_{10}	12.16	39.95
		NO_x	35.02	115.04
		CO	9.14	30.02
		TRS	0.53	1.74
		H_2S	0.53	1.74
		SO_2	4.38	14.39
		H_2SO_4	0.08	0.26
		VOC	2.21	7.26
44	Wood Cyclone (Pine)	PM	0.07	0.30
		PM_{10}	0.07	0.30
45	Wood Cyclone (Hard)	PM	0.24	1.03
		PM_{10}	0.24	1.03
46	Wood Cyclone (Total)	PM	0.51	2.16

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
		PM_{10}	0.51	2.16
48	Lime Handling System (3 Silos: 24-2058, 24-2106, and 24-2107)	PM	0.07	0.31
		PM_{10}	0.07	0.31
50	No. 6 Power Boiler Stack	PM	79.62	341.13
		PM_{10}	79.62	341.13
		NO_x	238.85	1023.40
		CO	370.21	1586.28
		SO_2	27.87	40.94
		VOC	31.85	44.35
		H_2S/TRS	0.29	1.14
51	No. 5 Power Boiler Stack	PM	2.60	10.75
		PM_{10}	2.60	10.75
		NO_x	17.17	74.20
		CO	30.50	-
		CO (MSS) (5)	150.00	-
		CO (annual)	-	133.59
		SO_2	0.20	0.80
		VOC	3.07	13.45
70	No. 4 BP Scrubber Stack	CO	108.00	473.00
		Chlorine	0.41	1.80
		Chlorine Dioxide	0.34	1.49
		VOC	10.5	45.99
		HCl	0.19	0.75
71	No. 4 BP E_{OP} Tower/Wash Press Stack	CO	9.09	35.76
		VOC	3.91	17.13
71A	No. 4 BP E_{OP} Filtrate Tank Stack	VOC	0.05	0.20
73	No. 5 BP E_{OP} Tower Stack	CO	6.56	26.78
		VOC	2.42	10.61
73A	No. 5 BP E_{OP} Filtrate Tank Stack	VOC	1.82	7.96

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
77	No. 4 BSW Diffusion Washer Vent	VOC	26.70	117.10
		TRS	0.01	0.01
		H_2S	<0.01	<0.01
78	No. 5 BSW Diffusion Washer Vent	VOC	37.40	164.00
		TRS	<0.01	<0.01
		H_2S	<0.01	<0.01
81	Diesel Loading/Unloading	VOC	0.10	<0.01
82	Gasoline Loading/Unloading	VOC	3.26	0.03
75	No. 5 BP Scrubber Stack	CO	152.00	664.00
		VOC	2.33	10.20
		HCl	0.21	0.84
		Chlorine	0.41	1.80
		Chlorine Dioxide	0.34	1.49
91	ClO_2 Generator Tail Gas Scrubber Vent	VOC	0.50	2.32
		Chlorine	0.02	0.09
		Chlorine Dioxide	0.20	0.88
92	Methanol Storage Tank	VOC	0.26	1.14
F100/101	Effluent Treatment System Fugitives (4)	VOC	46.75	122.51
102	Turpentine Loading	VOC	0.04	0.01
103	Soap Loading	VOC	0.05	0.25
		TRS	<0.01	<0.01
1LMF-FUG	No. 1 Precoat Filter Vent Fugitives (4)	VOC	0.10	0.43
1PFVPE-1	No. 1 Precoat Filter Vacuum Pump Exhaust	VOC	0.16	0.66
3LMF-FUG	No. 3 Precoat Filter	VOC	0.11	0.45

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
	Vent Fugitives (4)			
3PFVPE-1	No. 3 Precoat Filter Vacuum Pump Exhaust	VOC	0.16	0.66
4LMF-FUG	No. 4 Precoat Filter Vent (4)	VOC	0.09	0.36
4PFVPE-1	No. 4 Precoat Filter Vacuum Pump Exhaust	VOC	0.38	1.59
4WLC-1	No. 4 White Liquor Clarifier	VOC	0.41	1.80
4EWLFT-1	No. 4 Ecofilter Mudwasher	VOC	0.01	0.04
5GLC-1	No. 5 Green Liquor Clarifier	VOC	1.20	4.76
		TRS	<0.01	0.02
5WLC-1	No. 5 White Liquor Clarifier	VOC	0.40	1.75
6GLC-1	No. 6 Green Liquor Clarifier	VOC	1.26	5.52
		TRS	<0.01	0.02
6WLC-1	No. 6 White Liquor Clarifier	VOC	0.40	1.67
7GLC-1	No. 7 Green Liquor Clarifier	VOC	2.87	12.06
		TRS	0.01	0.05
CP-FUG	Coating Plant Fugitives (4)	VOC	26.67	115.56
PM-FUG	Paper Machines Fugitives (4)	PM	0.43	1.68
		PM_{10}	0.43	1.68
		NO_x	5.72	22.12
		CO	4.81	18.58
		SO_2	0.03	0.13
		VOC	73.48	250.95
SST2RB	Spill Tank (Small, Under No. 2 RB)	VOC	0.05	0.25
		TRS	<0.01	<0.01

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
5WBLT	No. 2 Rec. No. 1 Wk. Blk Liquor ST Tank N	VOC	0.05	0.25
		TRS	<0.01	<0.01
6WBLT	No.6 Weak Black Liquor Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
19-2039	No. 4 Evaporators Soap Separator Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
5RST	No. 5 Reclaim Tank WBL	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-2004	No. 4 Diffusion BSW Filtrate Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-2021	No. 4 Screen Dilution Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
19-2079	No. 2 Rec. Filtered Wk. Black Liq. Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
1WBLT	HW Weak Black Liquor Tank (No. 1)	VOC	0.05	0.25
		TRS	<0.01	<0.01
19-2082	No. 2 Rec. Light Soap Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
2WBLT	No. 2 Weak Liq. Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
19-2084	No. 4 Rec Soap Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-2100	No. 2 Foam Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
8WBLT	No. 8 Weak Black Liquor Storage	VOC	0.05	0.25
		TRS	<0.01	<0.01

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
5AWBLT	No. 5 Weak Black Liquor Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
7WBLT	No. 7 Weak Black Liquor Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
9WBLT	No. 9 WBL Storage Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-2004	No. 5 FL Filtrate Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-2016	No. 5 Decker Filtrate Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-0463	No. 5 Vibrating Knotter	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-0163	No. 4 Vibrating Knotter	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-2021	No. 5 Screen Dilution Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-2066	No. 5 FL Unfilt. Weak Black Liquor Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
6HBLT	No. 6 55 percent Black Liquor Storage Tank S	VOC	0.05	0.25
		TRS	<0.01	<0.01
71-2003	No. 2 Rec. Soap Storage Tank Btwn. Heavy Liquor Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
LTKVNT	Liquor Tank Vent (FINs 19-2029, 19-2030 19-2038, 26-2011, and 26-2012)	VOC	1.54	6.74
		TRS	0.90	3.94
		H_2S	0.24	1.05
19-2080	No. 2 Recovery Concentrated Soap Tank	VOC	0.31	1.35
		TRS	0.18	0.79
		H_2S	0.05	0.21

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
1HBLT	No. 1 Black Liquor Storage Tank	VOC	0.31	1.35
		TRS	0.18	0.79
		H_2S	0.05	0.21
2RBDT	No. 2 Recovery Heavy Black Liquor Dump Storage Tank	VOC	0.31	1.35
		TRS	0.18	0.79
		H_2S	0.05	0.21
2RBUT	No. 2 Recovery Heavy Black Liquor Use Tank	VOC	0.31	1.35
		TRS	0.18	0.79
		H_2S	0.05	0.21
71-2002	No. 5 55 percent Black Liquor Storage Tank N	VOC	0.31	1.35
		TRS	0.18	0.79
17-2230	Brownstock Storage for No. 1 PM	VOC	0.28	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
FL4BFT	No. 4 FL Brownstock HD Storage Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
40-2016	No. 4 Decker Filtrate Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
40-2022	No. 4 Bleach Feed Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
50-2001	No. 5 FL HD Stock Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H_2S	<0.01	0.03
50-2022	No. 5 FL Bleach Feed Tank	VOC	0.29	1.21
		TRS	0.06	0.27

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
		H_2S	<0.01	0.03
No.1-1 CZXR	Nos. 1-1 Causticizer Tank	VOC	0.13	0.52
No.4-1 CZXR	No. 4-1 Causticizer Tank	VOC	0.14	0.55
No.4-2 CZXR	No. 4-2 Causticizer Tank	VOC	0.14	0.55
No.4-3 CZXR	No. 4-3 Causticizer Tank	VOC	0.14	0.55
No.7-1 CZXR	No. 7-1 Causticizer Tank	VOC	0.10	0.43
No.7-2 CZXR	No. 7-2 Causticizer Tank	VOC	0.10	0.43
No.7-3 CZXR	No. 7-3 Causticizer Tank	VOC	0.10	0.43
RGLT	Raw Green Liquid Storage Tank	VOC	0.09	0.37
		TRS	<0.01	0.02
GLST	Green Liquor Stabilization Tank	VOC	0.09	0.37
		TRS	0.01	0.01
24-2028	Dregs Thickener Feed Tank	VOC	0.004	0.02
		TRS	<0.01	<0.01
24-0372	Dreg Filter Vacuum Pump Exhaust	VOC	0.004	0.02
		TRS	<0.01	<0.01
24-2068	Dreg Storage	VOC	0.004	0.02
		TRS	<0.01	<0.01
24-2031	No. 1 White Liquor Storage Tank	VOC	0.41	1.72
24-2029	No. 2 White Liquor Storage Tank	VOC	0.41	1.72
24-2062	No. 3 White Liquor Storage Tank	VOC	0.45	1.81

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
4EWLFT-1	No. 7 White Liquor (Ecofilter) Clarifier	VOC	1.03	4.33
40-2029	No. 4 White Liquor Storage Tank	VOC	2.21	9.10
24-2016	No. 2 Weak Wash Tank	VOC	0.74	3.03
24-2027	No. 1 Weak Wash Tank	VOC	0.74	3.03
24-2030	No. 1 White Liquor Clarifier	VOC	0.41	1.72
24-2098	Weak Wash Standpipe	VOC	0.74	3.03
24-2020	No. 1 Mud Storage Tank	VOC	<0.01	0.02
24-2021	No. 2 Mud Washer	VOC	<0.01	0.02
24-2024	No. 1 Mud Washer	VOC	<0.01	0.02
24-2019	No. 2 Mud Storage Tank	VOC	<0.01	0.02
24-2017	No. 3 Mud Washer	VOC	<0.01	0.02
24-2022	No. 3 Mud Storage Tank	VOC	<0.01	0.02
24-2047	No. 4 Lime Mud Washer	VOC	<0.01	0.02
24-2050	No. 5 Mud Washer	VOC	0.01	0.04
24-2094	No. 7 Kiln Lime Mud Dilution Tank	VOC	0.01	0.04
24-2095	No. 7 Kiln Lime Mud Mix Tank	VOC	0.01	0.04
24-2097	No. 7 Lime Mud Storage Tank	VOC	0.01	0.04
24-2026	Sewer Reclaim Tank	VOC	<0.01	0.01

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
19-2104	No. 2 Recovery Salt Cake Mix Tank	VOC	0.01	0.05
		TRS	0.16	0.70
		H_2S	0.05	0.21
19-2091	No. 3 Recover Salt Cake Mix Tank	VOC	0.02	0.07
		TRS	0.16	0.70
		H_2S	0.05	0.21
19-2094	Salt Cake Day Bin	VOC	0.02	0.07
		TRS	0.16	0.70
		H_2S	0.05	0.21
17-2047	No. 1 PM Prime Pine Row Stock Storage Tank	VOC	0.02	0.09
18-2003	Standard Pine Tank	VOC	0.02	0.09
17-2006	No. 1 PM Broke Tank	VOC	0.02	0.09
34-2078	Hardwood Raw Stock Storage Tank No. 134	VOC	0.02	0.09
34-2079	No. 2 PM North Broke Tank	VOC	0.02	0.09
54-2058	Bufloc 2121 Tank	Surfactant	<0.01	<0.01
54-2049	Busperse 2049 Tank	VOC	0.0072	0.0314
GEN1	Emergency Generator 385-hp natural gas engine	NO_x	14.34	6.28
		CO	1.11	0.49
		VOC	0.41	0.18
		PM_{10}	<0.01	<0.01
		SO_2	<0.01	<0.01
54-2101	S/W Raw Stock	VOC	0.02	0.09
54-2102	H/W Raw Stock	VOC	0.02	0.09
18-2004	PM Recycle Broke Tank	VOC	0.02	0.09

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
40-2039	No. 5 HD, PM Broke Tank	VOC	0.02	0.09
54-2111	Broke Chest	VOC	0.02	0.09
40-2028	Bleached Hardwood - Jumbo Storage	VOC	0.02	0.09
40-2034	Bleached Hardwood - South Storage	VOC	0.02	0.09
40-2035	Bleached Hardwood - North Storage	VOC	0.02	0.09
40-2087	Bleached Pine - Southeast Storage	VOC	0.02	0.09
40-2088	Bleached Pine - East Storage	VOC	0.02	0.09
40-2089	Bleached Pine - West Storage	VOC	0.02	0.09
40-2040	Reserve - Bleached Tower	VOC	0.02	0.09
40-2061	Reserve - 151 Ton Stock Tank	VOC	0.02	0.09
40-2070	No. 2 Filtrate Tank Reserve	VOC	0.02	0.09
40-2071	No. 3 Filtrate Tank Reserve	VOC	0.02	0.09
40-2079	Reserve - Bleached Tower	VOC	0.02	0.09
40-2084	Reserve - Bleached Tower	VOC	0.02	0.09
40-2085	Reserve - Bleached Tower	VOC	0.02	0.09
71-2437	Bulk Defoamer Tank High BOD Pond	VOC	2.00	0.01
71-2440	Defoamer Tank 400 Pond	VOC	2.00	0.01

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
71-2440	Defoamer Tank A1 Pond	VOC	2.00	0.01
24-2043	Muriatic Acid Tank at No. 7 Kiln	HCl	0.01	<0.01
24-2061	Recaust Muriatic Acid Tank	HCl	0.01	<0.01
71-2422	Oil - Used Oil Storage Tank	VOC	2.00	0.01
80-2883	Insolubilizer Storage Tank	VOC	0.10	<0.01
80-2879	No. 1 Lubricant Storage Tank	VOC	2.00	<0.01
80-2880	No. 2 Lubricant Storage Tank	VOC	2.00	<0.01
71-2423	Oil - Lubricating Tank	VOC	2.00	0.01
71-2424	Oil - Lubricating Tank	VOC	2.00	0.01
71-2425	Oil - Hydraulic Tank	VOC	2.00	0.01
71-2108	Lubricating/Hydraulic Oil Reservoirs - Millwide	VOC	2.00	0.01
71-2096	Phosphoric Acid Tank at WWTP	Phosphoric Acid	0.04	<0.01
17-2048	No. 1 PM Rosin Tank East	VOC TRS	0.60 0.06	0.08 0.01
30-2976	Rosin Size Storage Tank	VOC TRS	0.60 0.06	0.08 0.01
30-2603	Chlorate Storage	Sodium Chlorate	1.30	1.89
30-2606	Chlorate Storage	Sodium Chlorate	1.30	1.89
40-2048	R-2 Chlorate Mix Tank Reserve	Sodium Chlorate	1.30	0.15

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
71-2544	Actibrome Tank - Drinking Water	Sodium Bromide	6.30	0.08
71-2545	Actibrome Tank - West Side	Sodium Bromide	6.30	0.08
40-2041	Reserve - Bleach Tower	VOC	0.02	0.09
17-2003	No. 1 PM Rosin Tank - West	VOC	0.60	0.08
		TRS	0.06	0.01
24-2096	No. 7 Kiln Sulfamic Acid Mix Tank	Sulfamic Acid	0.04	<0.01
17-2007	No. 1 Sulfuric Acid Storage Tank	H_2SO_4	0.04	0.01
21-2119	98 percent Sulfuric Acid Storage Tank	H_2SO_4	0.04	0.01
30-2601	ClO_2 Plant 98 percent Sulfuric Acid Day Tank	H_2SO_4	0.04	0.01
40-2038	98 percent Sulfuric Acid Bulk Tank	H_2SO_4	0.04	0.01
50-2043	No. 4/5 FL 98 percent Sulfuric Acid Day Tank	H_2SO_4	0.04	0.01
40-2167	Turpentine Decanter Tank	VOC	0.02	0.10
21-2031	No. 5 Cation Tank	H_2SO_4	0.04	0.01
21-2032	No. 4 Cation Tank	H_2SO_4	0.04	0.01
21-2033	No. 3 Cation Tank	H_2SO_4	0.04	0.01
21-2035	No. 1 Cation Tank	H_2SO_4	0.04	0.01
86-2000	Actibrome Tank - Woodyard	Sodium Bromide	6.30	0.08
86-4000	Actibrome Tank at ClO_2 Plant	Sodium Bromide	6.30	0.08

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
BY-FUG	Bark Yard Fugitives (4)	PM	0.60	2.64
		PM_{10}	0.28	1.25
WY-FUG	Woodyard Fugitives (4)	PM	0.34	1.52
		PM_{10}	0.06	0.27
17-2004	No. 1 PM Reserve Tank	VOC	0.15	0.01
99-0634	No. 5 FL Formic Acid Tank	Formic Acid	2.00	0.02
21-2024	Nalco Product	Polyquartenary Amine	0.50	0.95
99-0474	Caustic Soap Tank	VOC	0.63	0.02
99-0475	Caustic Soap Tank	VOC	0.63	0.02
705-760-210	Liquid Fuel Storage Tank	VOC	<0.01	0.01
PB6-FUG	No. 6 Power Boiler Ash Silo Baghouse	PM_{10}	0.28	1.23
80-2940	Clay Slurry Tank	VOC	0.01	0.01

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1. The hazardous air pollutants (HAPs) are included in VOC. Speciated HAP emission rates are represented in permit file.
CO - carbon monoxide
PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$

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

PM_{10} - particulate matter equal to or less than 10 microns in diameter
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter.
SO_2 - sulfur dioxide
H_2SO_4 - sulfuric acid
H_2S - hyrdrogen sulfide
NO_x - nitrogen oxides
TRS - total reduced sulfur
HCl - hydrochloric acid
MSS - maintenance, startup, and shutdown

(4) Fugitive emissions are an estimate only.
(5) Additional long-term SO_2, VOC, and TRS/H_2S authorized only when No. 2 Power Boiler is burning non-condensible gasses.
(6) During routine maintenance, startup and shutdown activities only for a maximum of 10 hours per occurrence.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:
Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

\# Hourly emissions are based on 12-hour averages as indicated in Special Condition Nos. 5 and 16.

Dated February 2, 2010