EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 20365 and PSD-TX-785M6

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	196.17
		CO	56.85	249.00
		SO_2	0.14	0.60
		VOC	0.80	3.10
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
2	No. 2 Recovery Boiler Stack	PM	60.00	262.80
		PM_{10}	60.00	262.80
		NO_x	92.56	301.53
		CO	251.37	878.33
		TRS	10.90	47.80
		H_2S	10.90	47.80
		SO_2	308.40	1053.99
		H_2SO_4	4.00	17.54
		VOC	8.00	35.00
		Fluorides	0.12	0.60
		HCl	0.50	2.15

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
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
		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	No. 2 Smelt Dissolving Tank	PM	5.14	22.01
		PM_{10}	5.14	22.01
		NO_x	1.25	5.35
		TRS	1.20	5.25
		H_2S	1.20	5.25
		SO_2	5.06	21.90
		VOC	9.48	40.64
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	Lime Kiln 4 ESP Stack	PM	6.92	30.29
		PM_{10}	6.92	30.29
		NO_x	29.77	130.40
		CO	36.23	158.70
		TRS	0.95	4.16
		H_2S	0.95	4.16
		SO_2	7.14	31.28
		H_2SO_4	0.02	0.07
		VOC	8.01	35.10

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
9	No. 3 Lime Kiln Stack	PM	7.23	31.10
		PM_{10}	7.23	31.10
		NO_x	20.64	90.40
		CO	25.11	110.00
		TRS	0.71	3.10
		H_2S	0.71	3.10
		SO_2	4.93	21.60
		H_2SO_4	0.01	0.05
		VOC	8.00	31.85
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	6.00
		PM_{10}	1.37	6.00
		VOC	0.27	1.18
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

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
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	10.00	43.80
		PM_{10} 10.00	43.80	
		NO_x 22.71	94.51	
		CO 19.34	84.70	
		TRS 0.53	2.30	
		H_2S 0.53	2.30	
		SO_2 3.79	16.60	
		H_2SO_4 0.01	0.04	
		VOC 8.00	33.29	
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	72.00	315.20
		PM_{10}	72.00	315.20	
		NO_x	190.40	834.00	
		CO	358.60	1570.63	
		SO_2	0.20	0.88	
		VOC	18.60	81.61	
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	133.59	
		SO_2	0.20	0.80	
		VOC	3.07	13.45	
70	No. 4 BP Scrubber Stack		CO	108	473
		Chlorine		0.41	1.8
		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	0.2

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
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
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	0.001
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	1.8
		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
F 100/101	Effluent Treatment System (4)	VOC	46.75	122.51
101	Bleached Pulp Storage	VOC	0.02	0.09
102	Turpentine Loading	VOC	0.04	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
103	Soap Loading	VOC	0.05	0.25
		TRS	<0.01	<0.01
1LMF-FUG	No. 1 Precoat Filter Vent (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 Vent (4)	VOC	0.11	0.45
3FVPE-1	No. 3 Precoat Filter Vacuum Pump Exhaust	VOC	0.16	0.66
4LMF-FUG	No. 4 Precoat Filter Vent (4)	VOC	0.22	0.90
4FVPE-1	No. 4 Precoat Filter Vacuum Pump Exhaust	VOC	0.34	1.38
4WLC-1	No. 4 White Liquor Clarifier	VOC	0.41	1.80
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	0.45	1.97
7GLC-1	No. 7 Green Liquor Clarifier	VOC	2.58	11.30
		TRS 0.01	0.05	
CP-FUG	Coating Plant (4)	VOC	26.67	115.56

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-FUG	Paper Machines (4)	PM_{10}	0.44	1.67
		PM 0.44	1.67	
		NO_x 5.72	22.12	
		CO 4.81	18.58	
		SO_2 0.04	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
5WBLT	No. 2 Rec. No. 1 Wk. Blk Liquor ST Tank N	VOC	0.05	0.25
		TRS	<0.01	<0.01
6WBLT	No. 2 Rec. No. 2 Wk. Bk Liquor ST Tank S	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 FL Screen Room Dil. 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

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
19-2082	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
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 FL BSW Diff. Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
50-0463	Vibrating Knotter Decker Vent	VOC	0.05	0.25
		TRS	<0.01	<0.01
40-0163	Vibrating Knotter Decker Vent	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
50-2021	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
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

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
71-2002	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	0.29	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 FL Decker Filter 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	
		H_2S <0.01	0.03	
No.1-2 CZXR	Nos. 1-2 Causticizer Tank	VOC	0.13	0.52
No.1-1 CZXR	No. 1-1 Causticizer Tank	VOC	0.13	0.52
No.4-3 CZXR	No. 4-3 Causticizer Tank	VOC	0.14	0.55
No.4-2 CZXR	No. 4-2 Causticizer Tank	VOC	0.14	0.55
No.4-1 CZXR	No. 4-1 Causticizer Tank	VOC	0.14	0.55

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
No.7-3 CZXR	No. 7-3 Causticizer Tank	VOC	0.28	1.17
No.7-2 CZXR	No. 7-2 Causticizer Tank	VOC	0.28	1.17
No.7-1 CZXR	No. 7-1 Causticizer Tank	VOC	0.28	1.17
RGLT	Raw Green Liquid Storage Tank	VOC	0.09	0.37
		TRS	<0.01	0.015
GLST	Green Liquor Stabilization Tank	VOC	0.09	0.37
		TRS	0.01	0.015
24-2028	Dregs Thickener Feed Tank	VOC	0.004	0.02
		TRS	<0.01	0.0006
24-0372	Dreg Filter Vacuum Pump Exhaust	VOC	0.004	0.02
		TRS	<0.01	0.0006
24-2068	Dreg Storage	VOC	0.004	0.02
		TRS	<0.01	0.0006
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
4EWLFT-1	No. 7 White Liquor (Ecofilter) Clarifier	VOC	0.94	4.12
40-2029	No. 4 White Liquor Storage Tank	VOC	2.21	9.10

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
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	0.02
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	0.004
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

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
19-2091	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
54-2101	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
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

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
40-2035	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
71-2495	Defoamer Tank A1 Pond	VOC	2.00	0.01
71-2374	Diesel Tank (Buried)	VOC	0.10	0.002
71-2375	Gasoline Tank (Buried)	VOC	11.00	0.07

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
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
80-2883	Insolubilizer Storage Tank	VOC	0.10	0.001
80-2879	No. 1 Lubricant Storage Tank	VOC	2.00	0.01
80-2880	No. 2 Lubricant Storage Tank	VOC	2.00	0.01
71-2422	Oil - Used Oil 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	0.60	0.08
		TRS 0.06	0.01	
30-2976	Rosin Size Storage Tank	VOC	0.60	0.08
		TRS 0.06	0.01	
30-2603	Chlorate Storage	Sodium Chlorate	1.30	1.89
30-2606	Chlorate Storage	Sodium Chlorate	1.30	1.89

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
40-2048	R-2 Chlorate Mix Tank Reserve	Sodium Chlorate	1.30	0.15
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 PM Sulfuric Acid Storage Tank	H_2SO_4	0.04	0.007
21-2119	98 percent Sulfuric Acid Storage Tank	H_2SO_4	0.04	0.007
30-2601	ClO_2 Plant 98 percent Sulfuric Acid Day Tank	H_2SO_4	0.04	0.007
40-2038	98 percent Sulfuric Acid Bulk Tank	H_2SO_4	0.04	0.007
50-2043	No. 4/5 FL 98 percent Sulfuric Acid Day Tank	H_2SO_4	0.04	0.007
40-2167	Turpentine Decanter Tank	VOC	0.02	0.10
21-2031	No. 5 Cation Tank	H_2SO_4	0.04	0.007

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
21-2032	No. 4 Cation Tank	H_2SO_4	0.04	0.007
21-2033	No. 3 Cation Tank	H_2SO_4	0.04	0.007
21-2035	No. 1 Cation Tank	H_2SO_4	0.04	0.007
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
WYFUG	Woodyard Fugitives	TSP	8.30	36.34
		PM_{10}	2.83	12.40
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

(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}
PM_{10} - particulate matter less than or equal to 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
SO_2 - sulfur dioxide

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_2SO_4 - sulfuric acid
H_2S - hyrdrogen sulfide
NO_x - nitrogen oxides
TRS - total reduced sulfur
PM - total suspended particulate
HCl - hydrochloric acid

(4) Fugitive emissions are an estimate only

* 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

** Emissions based on maximum annual average steam production rate of 450,000 pound (lb) steam per hour and maximum hourly rate of 460,000 lb steam. Also based on September 8, 2000 Stack test emission factors.

Dated December 23, 2004