

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 20365 and PSD-TX-785M5

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 PointNo.(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)	TSP	2.61	10.05
		PM <sub>10</sub>	2.61	10.05
		NOx	50.89	196.17
		CO	56.85	249.00
		SO <sub>2</sub>	0.14	0.60
		VOC	0.80	3.10
1	No. 1 and No. 2 Power Boiler Stack (Power Boiler 2)	TSP	58.46	240.90
		PM <sub>10</sub>	58.46	240.90
		NOx	268.00	1173.80
		CO	190.00	832.30
		SO <sub>2</sub>	2.30	10.10
		VOC	20.00	87.60
2	No. 2 Recovery Boiler Stack	TSP	60.00	262.80
		PM <sub>10</sub>	60.00	262.80
		NOx	92.56	301.53
		CO	251.37	1101.00
		TRS	10.90	47.80
		H <sub>2</sub> S	10.90	47.80
		SO <sub>2</sub>	308.40	1350.60
		H <sub>2</sub> SO <sub>4</sub>	4.00	17.54
		VOC	8.00	35.00
		Fluorides	0.12	0.60
		HCl	0.50	2.15
3 and 4	No. 3 Recovery Boiler Stacks (North Stack and South Stack)	TSP	27.00	118.20
		PM <sub>10</sub>	27.00	118.20
		NOx	141.50	497.18
		CO	163.80	716.20

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		TRS 4.00	17.40	
		H <sub>2</sub> S 4.00	17.40	
		SO <sub>2</sub> 74.98	327.40	
		H <sub>2</sub> SO <sub>4</sub> 5.72	25.05	
		VOC 14.00	60.00	
		Fluorides	0.14	0.61
		HCl 0.72	3.16	
5A	No. 2 Dissolving Tank	TSP	5.14	22.01
		PM <sub>10</sub> 5.14	22.01	
		NOx 1.25	5.35	
		TRS 1.20	5.25	
		H <sub>2</sub> S 1.20	5.25	
		SO <sub>2</sub> 5.06	21.90	
		VOC 9.48	40.64	
5B	No. 3 Dissolving Tank	TSP	5.91	25.60
		PM <sub>10</sub> 5.91	25.60	
		NOx 1.70	7.30	
		TRS 1.70	7.40	
		H <sub>2</sub> S 1.70	7.40	
		SO <sub>2</sub> 6.70	29.20	
		VOC 14.07	60.95	
7	Lime Kiln 4 ESP Stack	TSP	6.92	30.29
		PM <sub>10</sub> 6.92	30.29	
		NOx 29.77	130.40	
		CO 36.23	158.70	
		TRS 0.95	4.16	
		H <sub>2</sub> S 0.95	4.16	
		SO <sub>2</sub> 7.14	31.28	
		H <sub>2</sub> SO <sub>4</sub> 0.02	0.07	
		VOC 8.01	35.10	
9	No. 3 Lime Kiln Stack	TSP	7.23	31.10
		PM <sub>10</sub> 7.23	31.10	
		NOx 20.64	90.40	
		CO 25.11	110.00	

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		TRS 0.71	3.10	
		H <sub>2</sub> S 0.71	3.10	
		SO <sub>2</sub> 4.93	21.60	
		H <sub>2</sub> SO <sub>4</sub> 0.01	0.05	
		VOC 8.00	31.85	
13	No. 4 Lime Slaker Stack	TSP	1.37	6.00
		PM <sub>10</sub> 1.37	6.00	
		VOC 0.13	0.59	
14	No. 1 Lime Slaker Stack	TSP	1.37	6.00
		PM <sub>10</sub> 1.37	6.00	
		VOC 0.12	0.53	
16A	No. 7 Lime Slaker Stack	TSP	1.37	6.00
		PM <sub>10</sub> 1.37	6.00	
		VOC 0.27	1.18	
19A	No. 1 Starch Unload	TSP	0.09	0.13
		PM <sub>10</sub> 0.09	0.13	
19B	No. 2 Starch Unload	TSP	0.09	0.13
		PM <sub>10</sub> 0.09	0.13	
19C	No. 3 Starch Unload	TSP	0.09	0.13
		PM <sub>10</sub> 0.09	0.13	
26	No. 4 Recovery Boiler Stack	TSP	50.00	219.00
	(Includes No.4S and No. 4N	PM <sub>10</sub>	50.00	219.00
	Dissolving Tanks)	NOx	171.60	751.60
		CO 261.10	1143.80	
		TRS 6.30	27.80	
		H <sub>2</sub> S 6.30	27.80	
		SO <sub>2</sub> 119.40	522.90	
		H <sub>2</sub> SO <sub>4</sub> 10.40	45.55	
		VOC 17.90	78.40	
		Fluorides	0.30	1.31
		Hydrochloric Acid	1.31	5.74

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
43	No. 1 Lime Kiln Stack	TSP	10.00	43.80
		PM <sub>10</sub>	10.00	43.80
		NOx	22.71	94.51
		CO	19.34	84.70
		TRS	0.53	2.30
		H <sub>2</sub> S	0.53	2.30
		SO <sub>2</sub>	3.79	16.60
		H <sub>2</sub> SO <sub>4</sub>	0.01	0.04
		VOC	8.00	33.29
44	Wood Cyclone (Pine)	TSP	0.07	0.30
		PM <sub>10</sub>	0.07	0.30
45	Wood Cyclone (Hard)	TSP	0.24	1.03
		PM <sub>10</sub>	0.24	1.03
46	Wood Cyclone (Total)	TSP	0.51	2.16
		PM <sub>10</sub>	0.51	2.16
48	Lime Handling System (3 Silos : 24-2058, 24-2106, and 24-2107)	TSP	0.07	0.31
		PM <sub>10</sub>	0.07	0.31
50	No.6 Power Boiler Stack	TSP	72.00	315.36
		PM <sub>10</sub>	72.00	315.36
		NOx	190.40	834.00
		CO	360.00	1576.80
		SO <sub>2</sub>	0.2	0.88
		VOC	23.2	100
51	No.5 Power Boiler Stack	TSP	2.60	10.75
		PM <sub>10</sub>	2.60	10.75
		NOx	17.17	74.20
		CO	30.50	133.59
		SO <sub>2</sub>	0.20	0.80
		VOC	3.07	13.45

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
60	No.1 Incinerator Stack	TSP	2.10	9.40
		PM <sub>10</sub>	2.10	9.40
		NOx	2.20	9.80
		CO	14.90	65.20
		TRS	0.20	0.74
		H <sub>2</sub> S	0.20	0.74
		SO <sub>2</sub>	19.10	83.60
		VOC	0.28	1.23
61	No.2 Incinerator Stack	TSP	2.10	9.40
		PM <sub>10</sub>	2.10	9.40
		NOx	2.00	8.78
		CO	7.28	31.90
		TRS	0.09	0.40
		H <sub>2</sub> S	0.09	0.40
		SO <sub>2</sub>	5.48	24.00
		VOC	0.36	1.58
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 Diff. Washer Eo Stack	CO	9.09	35.76
		VOC	3.91	17.13
73	No. 5 BP Eo Tower Stack	CO	6.56	26.78
		VOC	4.24	18.57
77	No. 4 BSW Diffusion Washer Vent	VOC	26.70	117.10
		TRS	0.01	0.02
78	No. 5 BSW Diffusion Washer	VOC	37.40	164.00

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			lb/hr	TPY
	Vent	TRS	0.01	0.02
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 2.23	10.20	
		Hydrochloric Acid	0.21	0.84
		Chlorine	0.41	1.8
		Chlorine Dioxide	0.34	1.49
90	No. 5 Paper Machine Fugitives		TSP	0.22
		0.93		
		PM <sub>10</sub> 0.22	0.93	
		NOx 2.93	12.29	
		CO 2.46	10.32	
		SO <sub>2</sub> 0.02	0.07	
		VOC 21.12	85.52	
91	ClO <sub>2</sub> 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
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

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
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 TRS	VOC 0.005	1.20 0.02	4.76
5WLC-1	No.5 White Liquor Clarifier	VOC	0.40	1.75
6GLC-1	No.6 Green Liquor Clarifier TRS	VOC 0.006	1.26 0.02	5.52
6WLC-1	No.6 White Liquor Clarifier	VOC	0.45	1.971
7GLC-1	No.7 Green Liquor Clarifier TRS	VOC 0.01	2.58 0.05	11.30
CP-FUG	Coating Plant (4)	VOC	0.27	1.16
PM1-FUG	Paper Machine No.1 (4)	VOC	15.84	44.33
PM2-FUG	Paper Machine No.2 (4)	TSP	0.05	0.19

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		PM <sub>10</sub> 0.05	0.19	
		NO <sub>x</sub> 0.6	2.53	
		CO 0.51	2.13	
		SO <sub>2</sub> <0.01	0.02	
		VOC 15.4	50.19	
PM3-FUG	Paper Machine No.3 (4)	VOC	5.28	20.08
PM4-FUG	Paper Machine No.4 (4)	TSP	0.17	0.55
		PM <sub>10</sub> 0.17	0.55	
		NO <sub>x</sub> 2.19	7.3	
		CO 1.84	6.13	
		SO <sub>2</sub> 0.01	0.04	
		VOC 15.84	50.83	
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 STG 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



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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
19-2079	No. 2 Rec Filtered Wk. Black Liq Stg. Tank	VOC TRS	0.05 <0.01	0.25 <0.01
1WBLT	HW Weak Black Liquor Tank (No. 1)	VOC TRS	0.05 <0.01	0.25 <0.01
19-2082	No. 2 Rec Light Soap Stg. Tank	VOC TRS	0.05 <0.01	0.25 <0.01
2WBLT	No. 2 Weak Liq Stg. Tank	VOC TRS	0.05 <0.01	0.25 <0.01
19-2084	No. 4 Rec Soap Stg. Tank	VOC TRS	0.05 <0.01	0.25 <0.01
40-2100	No. 2 Foam Tank	VOC TRS	0.05 <0.01	0.25 <0.01
8WBLT	No. 8 Weak Black Liquor Storage	VOC TRS	0.05 <0.01	0.25 <0.01
5AWBLT	No. 5 Weak Black Liquor Tank	VOC TRS	0.05 <0.01	0.25 <0.01
7WBLT	No. 7 Weak Black Liquor Tank	VOC TRS	0.05 <0.01	0.25 <0.01
9WBLT	No.9 WBL Storage Tank	VOC TRS	0.05 <0.01	0.25 <0.01
50-2004	No. 5 FL Filtrate Tank	VOC TRS	0.05 <0.01	0.25 <0.01
50-2016	No. 5 FL BSW Diff. Tank	VOC TRS	0.05 <0.01	0.25 <0.01

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
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
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% Black Liquor Stg. Tank S	VOC	0.05	0.25
		TRS	<0.01	<0.01
71-2003	No. 2 Rec. Soap Stg. Tank Btwn. Hvy. Liquor Tank	VOC	0.05	0.25
		TRS	<0.01	<0.01
463HBLT	No. 4 Recov. 65% Black Liquor Stg. Tank	VOC	0.31	1.35
		TRS	0.18	0.79
2HBLT	No. 4 Recov. 65% Black Liquor Stg. Tank	VOC	0.31	1.35
		TRS	0.18	0.79
4HBLT	No. 4 Hvy Black Liquor Stg. Tank	VOC	0.31	1.35
		TRS	0.18	0.79
19-2080	No. 2 Recovery Concentrated Soap Tank	VOC	0.31	1.35
		TRS	0.18	0.79
1HBLT	No. 1 Black Liquor Stg. Tank	VOC	0.31	1.35
		TRS	0.18	0.79
2RBDT	No. 2 Recovery Hvy Black Liquor Dump Stg. Tank	VOC	0.31	1.35
		TRS	0.18	0.79

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
2RBUT	No. 2 Recovery Heavy Black Liquor Use Tank	VOC	0.31	1.35
		TRS	0.18	0.79
5C2BLFT	No. 5 Conc. (No. 2) Black Liquor Feed Tank	VOC	0.31	1.35
		TRS	0.18	0.79
5C1BLFT	No. 5 Conc. (No. 1) Black Liquor Feed Tank	VOC	0.31	1.35
		TRS	0.18	0.79
71-2002	No. 5 55% Black Liquor Stg. 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 <sub>2</sub> S	<0.01	0.03
FL4BFT	No. 4 FL Brwn Stk HD Strg. Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H <sub>2</sub> S	<0.01	0.03
40-2016	No. 4 FL Decker Filt. Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H <sub>2</sub> S	<0.01	0.03
40-2022	No. 4 Bleach Feed Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H <sub>2</sub> S	<0.01	0.03
50-2001	No. 5 FL HD Stock Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H <sub>2</sub> S	<0.01	0.03
50-2022	No. 5 FL Bleach Feed Tank	VOC	0.29	1.21
		TRS	0.06	0.27
		H <sub>2</sub> S	<0.01	0.03

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Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
No.1-2 CZXR	No. 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
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 Liq Storage Tank TRS	VOC 0.003	0.09 0.09	0.37
GLST	Green Liquor Stabilization Tank	VOC TRS	0.09 0.003	0.37 0.09
24-2028	Dregs Thickener Feed Tank TRS	VOC 0.0001	0.004 0.0006	0.02
24-0372	Dreg Filter Vacuum Pump Exhaust	VOC TRS	0.004 0.0001	0.02 0.0006
24-2068	Dreg Storage TRS	VOC 0.0001	0.004 0.0006	0.02
24-2031	No. 1 White Liquor Storage Tank	VOC	0.41	1.72
24-2029	No. 2 White Liquor Storage	VOC	0.41	1.72

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			lb/hr	TPY
	Tank			
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
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	0.004	0.02
24-2021	No. 2 Mud Washer	VOC	0.004	0.02
24-2024	No. 1 Mud Washer	VOC	0.004	0.02
24-2019	No. 2 Mud Storage Tank	VOC	0.004	0.02
24-2017	No. 3 Mud Washer	VOC	0.004	0.02
24-2022	No. 3 Mud Storage Tank	VOC	0.004	0.02
24-2047	No. 4 Lime Mud Washer	VOC	0.004	0.02
24-2050	No. 5 Mud Washer	VOC	0.004	0.02
24-2094	No. 7 Kiln Lime Mud Dilution	VOC	0.01	0.04

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			lb/hr	TPY
	Tank			
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	0.001	0.004
19-2104	No. 2 Recovery Salt Cake Mix Tank	VOC	0.01	0.05
19-2091	No. 3 Recover Salt Cake Mix Tank	VOC	0.02	0.07
19-2094	Salt Cake Day Bin	VOC	0.02	0.07
17-2047	No. 1 PM Prime Pine Row Stock Stg. 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 Stg. 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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	AIR CONTAMINANTS DATA	
			<u>Emission Rates *</u>	
			lb/hr	TPY
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 PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
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
24-2043	Muriatic Acid Tank at No. 7 Kiln	Hydrochloric Acid	0.01	0.0001
24-2061	Recaust Muriatic Acid Tank	Hydrochloric Acid	0.01	0.0001
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 @ WWTP	Phosphoric Acid	0.04	0.007
17-2048	No. 1 PM Rosin Tank East TRS	VOC 0.06	0.60 0.01	0.08



# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
30-2976	Rosin Size Storage Tank TRS	VOC 0.06	0.60 0.01	0.08
30-2603	Chlorate Storage	Sodium Chlorate	6.50	7.40
30-2606	Chlorate Storage	Sodium Chlorate	6.50	7.40
40-2048	R-2 Chlorate Mix Tank Reserve	Sodium Chlorate	6.50	0.60
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 TRS	VOC 0.06	0.60 0.01	0.08
24-2096	No. 7 Kiln Sulfamic Acid Mix Tank	Sulfamic Acid	0.04	0.007
17-2007	No. 1 PM Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007
21-2119	98% Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007
30-2601	ClO <sub>2</sub> Plant 98% Sulfuric Acid Day Tank	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007
40-2038	98% Sulfuric Acid Bulk Tank	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007
50-2043	No. 4/5 FL 98% Sulfuric Acid	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
	Day Tank			
40-2167	Turpentine Decanter Tank	VOC	0.02	0.10
21-2031	No. 5 Cation Tank	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007
21-2032	No. 4 Cation Tank	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007
21-2033	No. 3 Cation Tank	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007
21-2035	No. 1 Cation Tank	H <sub>2</sub> SO <sub>4</sub>	0.04	0.007
86-2000	Actibrome Tank - Woodyard	Sodium Bromide	6.30	0.08
86-4000	Actibrome Tank @ ClO <sub>2</sub> Plant	Sodium Bromide	6.30	0.08
WYFUG	Woodyard Fugitives	TSP	8.30	36.34
		PM <sub>10</sub> 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	Polyquaternary 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 plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in General Rule 101.1. HAPS included in VOC.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission PointNo.(1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u> lb/hr TPY
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Speciated

HAP emission rates represented in permit file.

CO - carbon monoxide

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

SO<sub>2</sub> - sulfur dioxide

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

H<sub>2</sub>S - hydrogen sulfide

NO<sub>x</sub> - nitrogen oxides

TRS - total reduced sulfur

TSP - 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

Dated \_\_\_\_\_