

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9654A

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
1A	No. 1 Recovery Furnace	VOC	50.00	217.00
		NO _x	90.00	394.00
		SO ₂	915.70	1372.00
		PM ₁₀	56.00	247.00
		CO	1375.00	6023.00
		TRS	24.00	41.00
1B	No. 2 Recovery Furnace	VOC	50.00	217.00
		NO _x	90.00	394.00
		SO ₂	915.70	1372.00
		PM ₁₀	56.00	247.00
		CO	1375.00	6023.00
		TRS	24.00	41.00
2	Bark Boiler	VOC	20.00	88.00
		NO _x	104.00	456.00
		SO ₂	5.00	22.00
		PM ₁₀	33.00	145.00
		CO	600.00	2628.00
2A	No. 1 PFI Boiler	VOC	10.00	44.00
		NO _x	49.83	218.26
		SO ₂	5.00	22.00
		PM ₁₀	3.00	13.00
		CO	70.00	307.00
2B	Package Boiler	VOC	0.67	2.93
		NO _x	28.5	124.9
		SO ₂	0.14	0.61
		PM ₁₀	1.2	5.25
		CO	8.32	36.4

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			<u>lb/hr</u>	<u>TPY</u>
3	No. 1 Dissolving Tank	SO ₂	2.10	9.20
		PM ₁₀	6.90	30.00
		TRS	0.60	2.50
4	No. 2 Dissolving Tank	SO ₂	2.10	9.20
		PM ₁₀	6.90	30.00
		TRS	0.60	2.50
9	Lime Silo	PM ₁₀	3.40	2.00
10	No.1 Slaker	PM ₁₀	2.00	8.60
11	Lime Kiln	VOC	4.70	21.00
		NO _x	42.00	182.00
		SO ₂	57.80	84.30
		PM ₁₀	30.00	131.00
		CO	337.00	1474.00
		TRS	6.40	11.20
12	Tall Oil Reactor	TRS	0.80	0.12
13	No. 2 Slaker	PM ₁₀	2.00	8.60
16	Brown Stock Washer A	TRS	4.00	17.50
		VOC	12.50	4.00
17	Brown Stock Washer B	TRS	4.00	17.50
19	Lime Silo	PM ₁₀	0.01	0.01
32	Crude Turpentine Tank	VOC	<0.01	0.02
36	No. 5 White Liquor Tank Vent	TRS	<0.01	0.02

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			<u>lb/hr</u>	<u>TPY</u>
63	No. 1 Weak Black Liquor Storage Tank	TRS	1.30	5.60
64	No. 2 Weak Black Liquor Storage Tank	TRS	1.30	5.60
65	Weak Black Liquor Swing Tank	TRS	1.30	5.60
66	No. 1 Heavy Black Liquor Storage Tank	TRS	<0.01	0.02
67	No. 2 Heavy Black Liquor Storage Tank	TRS	<0.01	0.02
68	Boilout Tank	TRS	0.50	2.20
72	Gasoline Tank	VOC	-	0.20
73	No. 2 Fuel Oil Tank	VOC	-	0.20
74	Black Liquor Pond	TRS	-	3.20
80	Wood Yard (4)	PM ₁₀	-	3.80
99	No. 2 PFI Boiler	VOC	0.59	2.58
		NO _x	21.0	91.98
		SO ₂	0.25	1.09
99	No.2 PFI Boiler	PM ₁₀	1.05	4.60
		CO	37.8	165.56
100	Chemi-Washer (4)	TRS	<0.01	<0.01
		VOC	0.09	0.40

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
101-130	No. 1 Paper Machine	VOC	26.7	117.0
132-158	No. 2 Paper Machine	VOC	32.3	141.6
206	No. 1 Recovery Boiler Salt Cake Mix Tank	PM ₁₀	0.03	0.06
207	No. 2 Recovery Boiler Salt Cake Mix Tank	PM ₁₀	0.03	0.06

- (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) PM₁₀ - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
TRS - total reduced sulfur
- (4) Fugitive emissions are an estimate only.

All annual emissions are based on a rolling 12-month period.

- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day, 7 Days/week, 52 Weeks/year

Dated _____