

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 9654A, PSD-TX-684, and PSD-TX-833

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	PM ₁₀	56.00	247.00
		VOC	50.00	217.00
		NO _x	90.00	394.00
		SO ₂	915.70	1372.00
		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

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		NO _x	28.50	124.90
		SO ₂	0.14	0.61
		PM ₁₀	1.20	5.25
		CO	8.32	36.40
3	No. 1 Dissolving Tank	VOC	17.93	50.12
		SO ₂	2.10	9.20
		PM ₁₀	6.90	30.00
		TRS	0.60	2.50
4	No. 2 Dissolving Tank	VOC	17.93	50.12
		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
		VOC	0.48	1.33
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	VOC	7.37	20.61
		TRS	0.80	0.12
13	No. 2 Slaker	PM ₁₀	2.00	8.60
		VOC	0.48	1.33
16	Brown Stock Washer A	VOC	16.29	4.00
		TRS	4.00	17.50

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			lb/hr	TPY
17	Brown Stock Washer B	VOC	12.29	34.37
		TRS	4.00	17.50
19	Lime Silo	PM ₁₀	0.01	0.01
32	Turpentine Storage Tank	VOC	<0.01	0.02
36	No. 5 White Liquor Tank Vent	TRS	<0.01	0.02
37	No. 6 Fuel Oil Tank	VOC	<0.01	0.02
38	No. 6 Fuel Oil Tank	VOC	<0.01	0.02
39	South Mud Tank	VOC	0.02	0.06
40	North Mud Tank	VOC	0.02	0.06
41	Weak Wash Storage Tank	VOC	0.09	0.24
42	Hot Water Storage Tank	VOC	0.00	0.00
43	New White Liquor Storage Tank 1.59	VOC		0.57
44	Scrubber Water Clarifier	VOC	0.09	0.24
45	No. 1 White Liquor Storage Tank 1.59	VOC		0.57
46	No. 2 White Liquor Storage Tank 1.59	VOC		0.57
47	No. 1 Green Liquor Clarifier	VOC		0.02

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
	0.05			
48	No. 1 Green Liquor Storage Tank 0.05	VOC	0.02	
49	No. 2 Green Liquor Storage Tank 0.05	VOC	0.02	
50	Green Liquor Equalization Tank 0.09	VOC	0.03	
51	No. 2 Green Liquor Clarifier 0.05	VOC	0.02	
63	No. 1 Weak Black Liquor Storage Tank	VOC TRS	0.38 1.30	1.34 5.60
64	No. 2 Weak Black Liquor Storage Tank	VOC TRS	0.38 1.30	1.34 5.60
65	Weak Black Liquor Swing Tank	VOC TRS	0.11 1.30	0.40 5.60
66	No. 1 Heavy Black Liquor Storage Tank	VOC TRS	0.23 <0.01	0.79 0.02
67	No. 2 Heavy Black Liquor Storage Tank	VOC TRS	0.23 <0.01	0.79 0.02
68	Boilout Tank	VOC TRS	0.23 0.50	0.79 2.20
72	Gasoline Tank	VOC	-	0.20

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			<u>lb/hr</u>	<u>TPY</u>
73	No. 2 Fuel Oil Tank	VOC	-	0.20
74	Black Liquor Pond	TRS	-	3.20
80	Wood Yard (4)	PM ₁₀	-	3.80
81	Truck Traffic Fugitives (4) 130.00		PM ₁₀	-
99	No. 2 PFI Boiler	PM ₁₀	1.05	4.60
		VOC	0.59	2.58
		NO _x	21.0	91.98
		SO ₂	0.25	1.09
		CO	37.8	165.56
100	Chemi-Washer (4)	VOC	0.09	0.40
		TRS	<0.01	<0.01

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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	26.70	117.00
132-158	No. 2 Paper Machine	VOC	32.30	141.60
159-166	Secondary Fiber System	VOC	0.34	1.18
168	Black Liquor Pond West	VOC	1.10	4.80
		TRS	-	3.20
192	Lime Kiln Precoat Filter	VOC	<0.01	0.17
193, 194	Precoat Filter Vacuum Pump		VOC	<0.01
	0.01			
200	Fish Ladder	VOC	9.20	32.22
205	No. 4 White Liquor Storage Tank		VOC	0.57
	1.59			
206	No. 1 Recovery Boiler	PM ₁₀	0.03	0.06
	Salt Cake Mix Tank			
207	No. 2 Recovery Boiler	PM ₁₀	0.03	0.06
	Salt Cake Mix Tank			
210	Black Liquor Storage East		VOC	0.38
	1.34			
211	Black Liquor Storage West		VOC	0.38
	1.34			
212	Black Liquor Storage Center		VOC	0.38
	1.34			
213	Ecofilter Pressure System	VOC		

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
0.17	6.48			

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- (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 (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no (PM) greater than 10 microns is emitted
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 and a maximum annual averaged throughput of 1,700 tons per day of air dry pulp.

* 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 _____