EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9654A, PSD-TX-684M1, PSD-TX-833M1, and N-60

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicants 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/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	PM/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
2	Bark Boiler	PM_{10}	37.42	163.90
		VOC	9.09	39.81
		NO_x	88.54	387.80
		SO_2	16.20	18.73
		CO	213.86	936.70
		TRS	2.29	10.04
		NH_3	16.16	70.86
2A	No. 1 PFI Boiler	PM_{10}	3.00	13.00
		VOC	10.00	44.00
		NO_x	49.83	218.26
		SO_2	5.00	22.00
		CO	70.00	307.00

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
3	No. 1 Dissolving Tank	PM_{10}	6.90	30.00
		VOC	17.93	50.12
		SO_2	2.10	9.20
		TRS	0.60	2.50
4	No. 2 Dissolving Tank	PM_{10}	6.90	30.00
		VOC	17.93	50.12
		SO_2	2.10	9.20
		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	PM_{10}	30.00	131.00
		VOC	4.78	21.03
		NO_x	42.00	182.00
		SO_2	57.95	84.33
		CO	337.00	1,474.00
		TRS	6.41	11.21
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
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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
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	VOC	0.57	1.59
44	Scrubber Water Clarifier	VOC	0.09	0.24
45	No. 1 White Liquor Storage Tank	VOC	0.57	1.59
46	No. 2 White Liquor Storage Tank	VOC	0.57	1.59
47	No. 1 Green Liquor Clarifier	VOC	0.02	0.05
48	No. 1 Green Liquor Storage Tank	VOC TRS	0.96 0.01	4.02 0.03
49	No. 2 Green Liquor Storage Tank	VOC	0.02	0.05
50	Green Liquor Equalization Tank	VOC	0.03	0.09

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
51	No. 2 Green Liquor Clarifier	VOC	0.02	0.05
63	No. 1 Weak Black Liquor Storage Tank	VOC	0.38	1.34
		TRS	1.30	5.60
64	No. 2 Weak Black Liquor Storage Tank	VOC	0.38	1.34
		TRS	1.30	5.60
65	Weak Black Liquor Swing Tank	VOC	0.11	0.40
		TRS	1.30	5.60
66	No. 1 Heavy Black Liquor Storage Tank	VOC	0.32	1.38
		TRS	0.13	0.58
67	No. 2 Heavy Black Liquor Storage Tank	VOC	0.23	0.79
		TRS	0.13	0.58
68	Boilout Tank	VOC	0.31	1.34
		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
81	Truck Traffic Fugitives	PM_{10}	-	130.00
99	No. 3 Power Boiler	PM_{10}	3.13	13.71
		VOC	2.26	9.92
		NO_x	21.0	91.98
		SO_2	0.25	1.09
		CO	37.8	165.56

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
100	Chemi-Washer (4)	VOC	0.09	0.40
		TRS	<0.01	<0.01
101-130	No. 1 Linerboard Machine	VOC	91.32	399.98
		TRS	0.80	3.48
132-158	No. 2 Linerboard Machine	VOC	53.21	233.06
		TRS	0.47	2.03
159-166	Secondary Fiber System	VOC	0.44	1.92
168	Black Liquor Pond West	VOC	1.10	4.80
		TRS	-	3.20
192	Lime Kiln Precoat Filter	VOC	0.42	1.75
193, 194	Precoat Filter Vacuum Pump	VOC	0.25	1.05
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 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
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	0.17	6.48

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
233**	Digester A Chip Bin Vent	VOC	3.85	13.05
		TRS 0.05	0.17	
234**	Digester B Chip Bin Vent	VOC	3.85	13.05
		TRS 0.05	0.17	
58**	Reject Tank	VOC	0.62	2.73
		TRS 0.01	0.53	
235	Liquor Loading	VOC	1.49	1.62
		TRS 0.13	0.21	
93	Primary Sludge Pond (4)	VOC	0.14	0.50
		TRS 0.08	0.27	
94	Primary Sludge Landfill (4)	VOC	0.14	0.50
		TRS 0.08	0.27	
95	Primary Clarfier (4)	VOC	0.62	2.72
		TRS 0.34	1.48	
96	Strong Waste Pond (4)	VOC	32.76	5.98
		TRS 17.74	3.24	
97	Aeration Pond (4)	VOC	5.37	15.68
		TRS 2.91	8.49	
98	Holding Pond (4)	VOC	3.55	9.72
		TRS 1.92	5.26	
232	Green Liquor Dregs Filter and Vacuum Pump (4)	VOC	1.84	8.04
		TRS	0.01	0.05
NCG-FUG 1	Switching LVHC and HVLC NCG Venting for Bypass and	VOC	147.75	5.62
		Acetone	2.35	0.10

	Preventive Maintenance (4)(5)	TRS	0.02	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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) PM - - particulate matter, suspended in the atmosphere, include PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
TRS - total reduced sulfur
NH_3 - ammonia
(4) Fugitive emissions are an estimate only.
(5) Emissions resulting from re-routing non-condensible gases between combustion sources (Lime Kiln and Bark Boiler).
(6) Emissions resulting from incidental relieving of gases from pressure vacuum, breakers, rupture disks, and tank and piping seals.

* 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 8,760 hrs/year

** Emissions based on the following:

See Special Condition Nos. 1 and 22.

All annual emissions are based on a rolling 12-month period and a maximum annual averaged

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY

throughput of 2,340 tons per day of air dry pulp.

Dated October 5, 2004