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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9654A, PSD-TX-684M2, PSD-TX-833M2, and N-60M1

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/PM_{10}	56.00	247.00
		VOC	50.00	217.00
		NO_x	95.00	416.10
		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	95.00	416.10
		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

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
		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
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
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	55.59	16.68
		TRS	0.47	0.14

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
17	Brown Stock Washer B	VOC	55.59	188.60
		TRS	0.47	1.59
32	Turpentine Storage Tank	VOC	<0.01	0.02
36	No. 5 White Liquor Tank Vent	TRS	<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	0.22	0.96
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	0.96	4.02
		TRS	0.01	0.03
49	No. 2 Green Liquor Storage Tank	VOC	0.02	0.05
		TRS	0.01	0.05

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	Green Liquor Equalization Tank	VOC	0.03	0.09
51	No. 2 Green Liquor Clarifier	VOC	1.84	8.04
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	0.31	1.38
		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

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
		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
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
192	Lime Kiln Precoat Filter	VOC	0.83	3.63
		TRS	0.02	0.07
193	Precoat Filter Vacuum Pump West	VOC	0.33	1.46
		TRS	0.02	0.08
194	Precoat Filter Vacuum Pump East	VOC	0.33	1.46
		TRS	0.02	0.08
205	No. 4 White Liquor Storage Tank	VOC	0.57	1.59
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
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

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
		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 Clarifier (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 Preventive Maintenance (4) (5)	VOC	145.00	0.25
		Acetone	2.40	0.02
		TRS	0.06	<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).

* 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 throughput of 2,340 tons per day of air dry pulp. All hourly emissions, unless otherwise noted, are derived from the maximum annual average throughput of 2,340 tons per day of air dry pulp or other related throughput limits represented in the permit.

*** Emission limits for these pollutants from the Bark Boiler based on a 30-day rolling average.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Dated May 26, 2006