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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.

Emission	Source	ource Air Contaminant <u>E</u>		Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY	
SMO1	No. 1 Smelt Tank Scrubber	TSP PM ₁₀	10.9 10.9	47.7 47.7	
		VOC (note b) SO ₂	3.3 7.5	14.3 24.7	
		SO_3 TRS (note a) NO $_x$	0.2 1.8 1.8	0.9 7.9 7.9	
		NH_3	2.1	8.9	
SMO2**	No. 2 Smelt Tank Scrubber	TSP PM_{10} VOC SO_{2} SO_{3} TRS NO_{x} NH_{3}	18.9 18.9 6.0 13.4 0.4 3.1 3.3 3.8	82.6 82.6 26.1 58.7 1.9 13.9 14.3 16.5	
CLTO1, WLT01, and HLT01	No. 1 Black Liquor Storage Tank (5)	VOC TRS	1.7 1.1	7.5 5.0	
CLTO2, WLT02, and HLT02	No. 2 Black Liquor Storage Tanks (5)	VOC TRS	2.1 1.4	9.3 6.2	
SCT01 and SS01	No. 1 Soap Tanks (5)	VOC TRS	0.5 0.3	2.2 1.5	
SCT02, SST02, and SS02	No. 2 Soap Tanks (5)	VOC TRS	1.7 1.1	7.2 4.8	

Emission	Source	Air	Contaminant	<u>Emissi</u>	on Rates *
Point No. (1)	Name (2)		Name (3)	lb/hr	<u>TPY</u>
FOT02 and FORT01	Fuel Oil Tanks (5)	TRS	VOC 0.5	0.7 2.1	3.1
BATO1	No. 1 Boiler Ash Tank (5)		VOC TRS	1.2 1.2	5.3 5.3
PATO1	No. 1 Precipitator Ash Tank (5)		VOC TRS	1.2 1.6	5.3 7.0
(note e)	Misc. Black Liquor vice Vessels (5)		VOC TRS	2.8 1.9	12.4 8.4
PBO2 (note	Power Boiler No. 2 f)		$\begin{array}{c} TSP \\ PM_{10} \\ VOC \\ NO_{x} \\ SO_{2} \\ CO \end{array}$	111.0 111.0 76.4 332.0 770.0 1337.0	486.2 486.2 334.6 1454.2 3372.6 5856.0
LKO2**	Lime Kiln No. 2 PM ₁₀	VOC	TSP 26.3 NO_x SO_2 SO_3 CO TRS 4.0	26.3 115.2 33.3 1.2 0.2 4.2 2.5 17.5	115.2 145.9 5.3 1.1 18.5 11.1
LS01**	No. 1 Lime Slaker	PM ₁₀ NH ₃	TSP 0.2 7.6	0.2 1.0 33.1	1.0
LS02**	No. 2 Lime Slaker	PM ₁₀ NH ₃	TSP 0.2 14.1	0.2 1.0 61.8	1.0

Emission	Source	Air	Contaminant	Emissio	on Rates *
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY
CP01	No. 1 Causticizier Tanks (5)		NH ₃	2.1	9.1
CP02	No. 2 Causticizier Tanks (5)		NH ₃	3.9	17.0
(note i)	A-Line Brown Stock Washer (5)		VOC TRS	28.2 28.3	123.1 124.5
(note j)	B-Line Brown Stock Washer (5)	СО	VOC TRS 6.0	80.6 30.2 26.3	352.9 133.4
BP14	B-Line Bleach Plant Scrubber (North) (5)	VOC	Cl ₂ /ClO ₂ CO 2.1 TRS	4.3 19.2 9.2 0.1	18.9 84.3 0.2
BP15	B-Line Bleach Plant Scrubber (South) (5)	VOC	Cl ₂ /ClO ₂ CO 2.1 TRS	4.3 19.2 9.2 0.1	18.9 84.3 0.2
BP16	A-Line Bleach Plant Scrubber (5)	VOC	Cl ₂ /ClO ₂ CO 2.9 TRS	12.1 26.3 12.6 0.1	52.9 115.0 0.3
BP0351	Methanol Storage Tank		CH₃OH	0.3	1.4
BP0368	Hydrogen Peroxide Tank		H ₂ O ₂	<0.1	0.2
WLOXT1	White Liquor (5)		NH_3	0.1	0.4

Emission	Source	Air Contaminant	<u>Emiss</u>	ion Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr	<u>TPY</u>
EX5 and EX7 (note n)	Extruder Vents and Fugitives (4)	VOC NO_x $CO 3.2$	6.4 1.2 13.9	28.0 5.3
		CO 3.2	13.9	
PM1 and PM3d	Paper Machines No. 1	VOC	29.0	127.0
(note p)	and No. 3 (5)	NO_x	0.1	0.4
		СО	1.0	4.4
RBO1A	No. 1 Recovery Boiler	TSP	30.9	135.3
	North Stack ***	PM_{10}	30.9	135.3
		VOC	10.4	45.6
		NO_x	34.7	152.1
		SO_2	172.0	251.1
		SO₃	0.7	3.1
		CO	325.4	1425.1
		TRS	6.7	29.3
RBO1B	No. 1 Recovery Boiler	TSP	30.9	135.3
	South Stack ***	PM_{10}	30.9	135.3
		VOC	10.4	45.6
		NO_x	34.7	152.1
		SO_2	172.0	251.1
		SO₃	0.7	3.1
		CO	325.4	1425.1
		TRS	6.7	29.3
RBO2A**	No. 2 Recovery Boiler	TSP	42.5	176.9
	West Stack ***	PM_{10}	42.5	176.9
		VOC	23.9	99.5
		NO _x	112.4	467.7
		SO_2	377.0	522.8
		SO ₃	14.1	19.6
		CO	218.5	908.9
		TRS	3.3	13.9

Emission	Source	Aiı	r Contaminant	Emission	on Rates *
Point No. (1)	Name (2)		Name (3)	lb/hr	TPY
RBO2B**	No. 2 Recovery Boiler		TSP	42.5	176.9
	East Stack ***		PM_{10}	42.5	176.9
			VOC	23.9	99.5
			NO_x	112.4	467.7
			SO_2	377.0	522.8
			SO₃	14.1	19.6
			CO	218.5	908.9
			TRS	3.3	13.9
NCG01**	NCG Oxidation Unit		VOC	<0.1	0.3
	Scrubber		NO_x	3.1	13.6
			SO_2	16.0	70.1
			CO	6.6	29.0
			SO₃	6.0	26.3
			TRS	0.9	4.0
NCG02**	Condensate Tank		TRS	<0.1	0.4
REJCYC1A and	Reject Cyclones		TSP	1.6	7.0
REJCYC1B	(note k) (5)		PM_{10}	1.6	7.0
			VOC	1.1	5.0
			TRS	<0.1	0.1
(note h)	Material Handling and		TSP	1.7	7.5
	Misc. Vessels (4)		PM_{10}	0.8	3.4
		NH₃	6.0	26.2	
NCGF1**	NCG Fugitives (4)		TRS	0.4	1.6
CPS1	Misc. Wood Handling		TSP	16.2	63.0
(note m)	Fugitives (4)		PM ₁₀	8.2	28.0
BP01	Bleach Plant		Cl_2	0.2	1.0
DL OT	Fugitives (4)		ClO ₂	0.2	1.0
			5.02	0.2	±.0

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
DIG1	Batch Digestor Fugitives (4)	VOC TRS	1.6 0.6	7.1 2.5
WWTS1	Waste Water Treatment gitives (4)	VOC TRS	8.1 8.9	35.2 39.0

- (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) TSP total suspended particulate, including PM₁₀.
 - PM_{10} particulate matter less than 10 microns in diameter.
 - VOC volatile organic compounds as defined in General Rule 101.1
 - SO₂ sulfur dioxide
 - SO₃ sulfur trioxide
 - TRS total reduced sulfur
 - NO_x nitrogen oxides
 - NH₃ ammonia
 - Cl₂ chlorine
 - CIO₂ chlorine dioxide (chlorine peroxide)
 - CO carbon monoxide
 - H₂S hydrogen sulfide
 - CH₃OH methanol
 - H₂O₂ hydrogen peroxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The VOC and TRS emission rates for this point are considered to be estimates only and are not intended to be enforceable limits.
 - * Unless otherwise specified, emission rates are based on operating 8,760 hours per year or 817,803 Air Dried Unbleached Tons (ADUBT) per year (736,022 Bone Dry Unbleached Tons [BDUBT] per year) of pulp.
- ** These facilities are also covered by PSD-TX-778M1.
- *** Emissions from the No. 1 and No. 2 recovery boilers are split between the two stacks for accounting purposes. The emission rates from the boilers are limited to the sum of the emissions from the two stacks rather than each stack, since the individual stack emissions may

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Notes:

- (a) All TRS emission rates are reported as H₂S unless otherwise specified.
- (b) All VOCs are reported as carbon unless otherwise specified.
- (e) Black Liquor Digestor Fill Tank (BLDF01), Spill Collection Tank (CT01), Swing Tank (ST01), Spare Liquor Storage (SLST01), Evaporator Boil-Out Tank (BOR01), Black Liquor Dump Tank (DT01), Weak Liquor Soap Concentrator Tank (WLSC01).
- (f) The SO₂ hourly rates for the power boiler are based on combustion of total reduced sulfur compounds during periods when the NCG oxidizer is inoperable.
- (h) Green liquor clarifiers (2), green liquor storage tanks (3), weak wash storage tanks (2), white liquor clarifiers (2), white liquor storage tanks (4), white liquor/digestor fill tank, mud washers (2), conveyors, elevators, hot lime silos (2), and spare liquor storage tank (SLST01) when used to store white liquor.
- (i) Consists of the washers, screen dilution tank, decker hood and seal pit, washed stock chest, low density chest, waste stock chest, and brown stock high density tanks (2).
- (j) Consists of the washers, screen dilution tank, decker hood and seal pit, washed stock chest, low density chest, waste stock chest, and the oxygen blow tank (with its associated equipment: the roll press, press level tank, press filtrate tank, and the surge tank).
- (k) Only one cyclone will be in operation at a time.
- (m) These fugitives occur from the chip handling operations, the log processing, and from the rejects bin.
- (n) Includes the pre-treater stacks (2), the laminator stacks (2), the post-treater stack, and fugitives.
- (p) The No.1 and No. 3 Paper Machines consist of 18 exhaust vents and fugitive emissions.

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