

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8068

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)	<u>Emission Rates</u>	
			<u>lb/hr</u>	<u>TPY</u>
79-1	Lime Kiln Scrubber (5)	PM <sub>10</sub>	22.70	96.7
		NO <sub>x</sub>	22.70	96.7
		CO	22.90	97.6
		VOC	7.50	32.0
		SO <sub>2</sub>	5.40	23.0
		TRS	0.90	3.8
79-2	Slaker (5)	PM <sub>10</sub>	0.50	2.2
		TRS	0.10	0.3
		VOC	0.30	1.3
79-3	Lime Blower (5)	PM <sub>10</sub>	0.40	1.7
79-4	Mud Filter Pump (5)	PM <sub>10</sub>	0.50	2.2
		VOC	0.26	1.1
79-5	Mud Filter Hood (5)	PM <sub>10</sub>	0.50	2.2
		VOC	0.23	1.0
79-6	Causticizer Tanks (5)	PM <sub>10</sub>	0.50	2.2
		VOC	0.07	0.3
81-1	Recovery Boiler (6)	PM <sub>10</sub>	50.50	218.1
		NO <sub>x</sub>	55.00	237.6
		CO	112.50	486.0
		VOC	20.27	88.8
		SO <sub>2</sub>	206.00	890.0
		TRS	2.70	11.8
		H <sub>2</sub> SO <sub>4</sub>	4.60	20.0
81-2	Smelt Tank (6)	PM <sub>10</sub>	8.30	36.0

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		SO <sub>2</sub>	2.50	10.8
		TRS	1.40	6.0
		VOC	10.42	45.0
89-1	Blow Heat System (5)	TRS	0.23	1.0
		VOC	7.04	30.0
89-2	Brown Stock Washers (4)	(6)	TRS	9.82
	43.0	VOC	12.70	55.0
G-1	Power Boiler 11 (7)	PM <sub>10</sub>	63.90	280.0
		NO <sub>x</sub>	81.00	355.0
		CO	188.60	826.0
		VOC	54.10	237.0
		SO <sub>2</sub>	5.40	23.7
		H <sub>2</sub> SO <sub>4</sub>	0.23	1.0
G-2	Power Boilers No. 4, 5, 8, and 9 (7)	PM <sub>10</sub>	*	12.0
		NO <sub>x</sub>	*	1321.0
		CO	*	96.1
		VOC	*	21.9
		SO <sub>2</sub>	*	1.4
G-5	Groundwood Mill (4) (7)	VOC	226.20	977.0
G-6	Turbine (7)	PM <sub>10</sub>	1.07	4.7
		NO <sub>x</sub>	118.70	520.0
		CO	8.63	37.8
		VOC	0.59	2.6
		SO <sub>2</sub>	0.14	0.6
PM-1	No. 1 Paper Machine	VOC	19.69	86.3
PM-2	No. 2 Paper Machine	VOC	15.45	67.7
PM-3	No. 3 Paper Machine	VOC	13.86	60.7

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			lb/hr	TPY
PM-4	No. 4 Paper Machine	VOC	13.44	58.9
BPLT	Bleach Plant	VOC	7.13	31.3
		Chlorine	2.76	12.1
GLCS	Green Liquor Clarification 6.4 and Storage	VOC		1.46
LMCS	Lime Mud Clarification and Storage	VOC	0.66	2.9
		TRS	0.02	<0.1
WLCS	White Liquor Clarification 1.0 and Storage	VOC		0.22
SRS	Soap Recovery and Storage 0.4	VOC		0.08
		TRS	0.05	0.3
WBLS	Weak Black Liquor Storage 0.5	VOC		0.10
		TRS	0.06	0.3
HBLS	Heavy Black Liquor Storage 0.8	VOC		0.18
		TRS	0.18	0.8
BRKPS	Brown Kraft Pulp Storage	VOC	0.86	3.8
		TRS	0.18	0.8
BLKPS	Bleached Kraft Pulp Storage 3.8	VOC		0.86
		TRS	0.18	0.8

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
MS	Misc. Storage	VOC	0.06	0.3
		TRS	0.04	0.2
WDYD	Woodyard	PM <sub>10</sub>	8.75	38.4

\* The annual emission rates only are listed for these grandfathered boilers (for PSD netting purposes). Compliance is based on annual fuel consumption.

- (1) Emission point identification.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in General Rule 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - TSP - total suspended particulate, including PM<sub>10</sub>
  - PM<sub>10</sub> - particulate matter less than 10 microns in diameter
  - CO - carbon monoxide
  - TRS - total reduced sulfur
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist
- (4) Fugitive emissions are an estimate.
- (5) Emission rates are based on 8,520 hours/year of operation.
- (6) Emission rates are based on 8,640 hours/year of operation.
- (7) Emission rates are based on 8,760 hours/year of operation.

The facilities are limited to 600 tons/day of unbleached pulp, based on a monthly average.

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Dated \_\_\_\_\_