

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 8068 and PSDTX437

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
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

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			<u>lb/hr</u>	<u>TPY</u>
81-2	Smelt Tank (6)	PM <sub>10</sub>	8.30	36.0
		SO <sub>2</sub>	2.50	10.8
		TRS	1.40	6.0
		VOC	10.42	45.0
89-1	Blowheat Recovery System** (Accumulator) Vent Stack	TRS	0.00	0.0
		VOC	0.00	0.0
		H <sub>2</sub> S	0.00	0.0
		CO	0.00	0.0
		SO <sub>2</sub>	0.00	0.0
89-2	Brown Stock Washers (4) (6)	TRS	9.82	43.0
		VOC	12.70	55.0
G-1	Power Boiler 11	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-5	Groundwood Mill (4)	VOC	249.32	1091.9
G-6	Turbine	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-2	No. 2 Paper Machine	VOC	15.45	67.7
PM-8	No. 8 Paper Machine	VOC	37.21	163.0

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			<u>lb/hr</u>	<u>TPY</u>
BPLT	Bleach Plant	VOC	7.13	31.3
		Chlorine	2.76	12.1
GLCS	Green Liquor Clarification and Storage	VOC	1.46	6.4
LMCS	Lime Mud Clarification and Storage	VOC	0.66	2.9
		TRS	0.02	<0.1
WLCS	White Liquor Clarification and Storage	VOC	0.22	1.0
SRS	Soap Recovery and Storage	VOC	0.08	0.4
		TRS	0.05	0.3
WBLS	Weak Black Liquor Storage	VOC	0.10	0.5
		TRS	0.06	0.3
HBLS	Heavy Black Liquor Storage	VOC	0.18	0.8
		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	VOC	0.86	3.8
		TRS	0.18	0.8
MS	Misc. Storage	VOC	0.06	0.3
		TRS	0.04	0.2
WDYD	Woodyard	PM <sub>10</sub>	8.75	38.4

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) PM<sub>10</sub> - 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.
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - SO<sub>2</sub> - sulfur dioxide
  - TRS - total reduced sulfur
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist
  - H<sub>2</sub>S - hydrogen sulfide
- (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.

\* Unless otherwise noted, emissions are based on, and facilities are limited to, 8,760 hours/year of operation. The Kraft pulp mill is limited to 600 air dried tons pulp (ADTP)/day, based on a fiscal monthly average.

The groundwood mill is limited to 889 ADTP/day, based on a fiscal monthly average.

\*\* Refer to the startup, shutdown, and malfunction (SSM) plan.

Dated

