#### Permit No. 20365/PSD-TX-785M-3

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 Point No. (1)	Source Name (2) Name (3)	Air Contaminant lb/hr TPY	<u>Emission</u>	Rates *
11	No. 2 Bleach Plant ClO <sub>2</sub> Scrubber Stack	CIO <sub>2</sub>	0.01	0.04
70	No. 4 Bleach Plant Scrubber Stack	CI <sub>2</sub> CIO <sub>2</sub>	1.60 0.14	7.00 0.60
71	No. 4 Bleach Plant Diffusion Washer Stack	$CI_2$ $CIO_2$	1.60 0.14	7.00 0.60
72	Monox-L Mixer Scrubber Vent	$Cl_2$	<0.01	<0.01
73	No. 5 Bleach Plant Diffusion Washer (E/O) Stack	VOC	2.33	10.20
74	No. 5 Bleach Plant Diffusion Washer (P) Stack	VOC	0.23	1.00
75	No. 5 Bleach Plant Scrubber Stack	VOC CIO <sub>2</sub> CI <sub>2</sub>	2.33 0.09 0.04	10.20 0.37 0.18
19	Bulk Starch Unloading Vent	PM <sub>10</sub>	0.01	0.02
5a	No. 2 Smelt Dissolve Tank Vent	$PM_{10}$ $TRS$ $SO_2$	4.00 1.20 5.00	17.50 5.25 21.90
5b	No. 3 Smelt Dissolve Tank Vent	PM <sub>10</sub> TRS	4.00 1.20	17.50 5.25

SO<sub>2</sub> 5.00 21.90

Emission Point No. (1)	Source Name (2)	Air Conta Name (3)	minant lb/hr	Emission Rates * TPY		
2	No. 2 Reco Stack	overy Boiler		$PM_{10}$ VOC $NO_x$ $SO_2$ CO $H_2SO_4$ TRS	60.00 8.00 62.78 495.00 251.37 5.00 16.00	262.80 35.00 275.00 1510.00 1101.00 21.90 70.10
3	No. 3 Reco	overy Boiler ack		$\begin{array}{c} PM_{10} \\ VOC \\ NO_{x} \\ SO_{2} \\ CO \\ H_{2} SO_{4} \\ TRS \end{array}$	38.90 4.00 30.00 39.38 52.75 2.50 16.00	168.19 17.50 131.40 172.50 231.04 10.95 70.10
4	No. 3 Reco South Sta	overy Boiler ack		$PM_{10}$ VOC $NO_x$ $SO_2$ CO $H_2SO_4$ TRS	38.40 4.00 30.00 39.38 52.75 2.50 16.00	168.19 17.50 131.40 172.50 231.04 10.95 70.10
26		overy Boiler It Dissolve ck		$\begin{array}{c} PM_{10} \\ VOC \\ NO_{x} \\ SO_{2} \\ CO \\ H_{2}SO_{4} \end{array}$	50.00 16.60 159.30 121.90 242.50 2.40	219.00 72.83 697.91 534.17 1062.03 10.05

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## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

		TRS	8.29	36.31
60	No. 1 NCG Incinerator** Stack	$NO_x$ $SO_2$	0.98 4.50	4.30 19.71
	Stack	CO	0.46	2.00
		VOC	0.02	0.10
		TRS	0.09	0.40

Emission	Source	Air Conta	aminant	<b>Emission</b>	Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY		
61	No. 2 NCG	Incinerator		NO <sub>x</sub>	0.9	8 4.30
	Stack			$SO_2$	5.4	
				CO	0.4	6 2.00
				VOC	0.0	
				TRS	0.0	9 0.40
1	No. 1 Powe	er Boiler		$PM_{10}$	1.1	4 5.01
	Stack			$NO_x$	34.3	6 150.50
				$SO_2$	0.1	4 0.60
				CO	9.1	4 40.03
				VOC	0.3	2 1.40
					_	
1	No. 2 Powe	er Boiler		$PM_{10}$	55.0	
	Stack			VOC	20.0	
				$NO_x$	268.0	
				$SO_2$	2.3	
				CO	190.0	0 832.20
F0	No. 6 Powe	or Boilor		DM	72.0	0 215.26
50		ei builei		PM <sub>10</sub>		
	Stack			NO <sub>x</sub>	190.4	
				SO <sub>2</sub>	0.2	
				CO	360.0	
				VOC	23.2	0 100.00
13	No. 4 Slake	er Stack (4)		PM <sub>10</sub>	1.3	7 6.00

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## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

14	No. 1 Slaker Stack (4)	PM <sub>10</sub>	1.37	6.00
15	No. 2 Slaker Stack (4)	$PM_{10}$	1.37	6.00
16	No. 3 Slaker Stack (4)	$PM_{10}$	1.37	6.00
16-A	No. 7 Slaker Stack (4)	$PM_{10}$	1.37	6.00
43	No. 1 Lime Kiln Stack	$PM_{10}$ VOC $NO_x$ $SO_2$ CO TRS	10.00 0.07 48.00 11.40 170.00 1.76	43.80 0.30 206.00 49.00 729.00 7.70

Emission	Source	Air Co	ontaminant	Emissi	on Rates *		
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY			
0	Na Olima	IVila Ota ala		DM		7.00	04.04
8	No. 2 Lime	KIIN Stack		$PM_{10}$		7.20	31.01
				VOC		0.06	0.26
				$NO_x$		23.39	107.44
				$SO_2$		12.00	52.20
				CO		175.00	766.50
				TRS		1.85	8.14
9	No. 3 Lime	Kiln Stack		$PM_{10}$		7.23	31.01
				VOC		0.07	0.31
				$NO_x$		27.39	119.96
				$SO_2$		12.50	54.80
				CO		180.00	788.40
				TRS		1.89	8.27
7	No. 4 Lime	Kiln Stack		PM <sub>10</sub>		6.92	30.29
•		Tame Ottoon		VOC		8.01	35.10
				NO <sub>x</sub>		29.77	130.40
				SO <sub>2</sub>		7.14	31.28
							158.70
				CO		36.23	
				TRS		0.95	4.16

48a 48b 48c	Fresh Lime Handling (4) System, including: Fresh Lime Silo No. 1 Vent Filter Fugitive Dust Pickup Filter Fresh Lime Silo No. 4 Vent Filter	PM <sub>10</sub>	0.07	0.30
90	No. 5 Paper Machine Vents	$PM_{10}$ $NO_x$ $SO_2$ $CO$ $VOC$	0.06 3.19 0.01 0.49 0.02	0.27 13.97 0.03 2.16 0.08
1F	Road Dust (4) TSP PM <sub>10</sub>	- -	21.66 10.83	
F100/101	Effluent Treatment System (4)	VOC	-	5.72

- (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 particulate matter including PM10.
  - $PM_{10}$  particulate matter less than 10 microns
  - VOC volatile organic compounds as defined in General Rule 101.1
  - $NO_x$  total oxides of nitrogen
  - SO<sub>2</sub> sulfur dioxide CO - carbon monoxide TRS - total reduced sulfur
  - Cl<sub>2</sub> chlorine
  - ClO<sub>2</sub> chlorine dioxide H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:
  - Based on a maximum 12-month calendar year average throughput 2,400 tons per day of bleached air dry pulp.

- Hrs/day <u>24</u> Days/week <u>7</u> Weeks/year <u>52</u> or Hrs/year <u>8,760</u>	
** NCG Incinerator maximum allowable emission rates are effective after the relocated.	Incinerator is
Revised	