EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20365 and PSD-TX-785M4

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
11	No. 2 Bleach Plant ClO_2 Scrubber Stack	ClO_2	0.01	0.04
70	No. 4 Bleach Plant Scrubber Stack	Cl_2	1.60	7.00
		ClO_2	0.14	0.60
71	No. 4 Bleach Plant Diffusion Washer Stack	Cl_2	1.60	7.00
		ClO_2	0.14	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	2.33	10.20
		ClO_2	0.09	0.37
		Cl_2	0.04	0.18
77	No. IV Diffusion Washer Vent	VOC	26.70	117.10
78	No. V Diffusion Washer Vent	VOC	37.40	164.00
19A	No. 1 Bulk Starch Unloading Vent	TSP	0.01	0.04
		PM_{10}	0.01	0.04
19B	No. 2 Bulk Starch Unloading Vent	TSP	0.01	0.04
		PM_{10}	0.01	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
19C	No. 3 Bulk Starch Unloading Vent	TSP	0.01	0.04
		PM_{10}	0.01	0.04
5a	No. 2 Smelt Dissolve Tank Vent	TSP	4.70	20.70
		PM_{10}	4.70	20.70
		NO_x	1.20	5.10
	TRS		1.20	5.25
		VOC	2.20	9.60
		SO_2	5.00	21.90
5b	No. 3 Smelt Dissolve Tank Vent	TSP	5.70	24.80
		PM_{10}	5.70	24.80
		NO_x	1.80	7.70
	TRS		1.70	7.50
		VOC	3.30	14.40
		SO_2	7.10	31.00
2	No. 2 Recovery Boiler Stack	TSP	60.00	262.80
	PM_{10}	60.00	262.80	
		VOC	8.00	35.00
		NO_x	62.78	275.00
		SO_2	308.40	1350.60
		CO	251.37	1101.00
		H_2SO_4	5.50	24.10
		TRS	10.90	47.80
		Fluorides	0.12	0.60
3	No. 3 Recovery Boiler North Stack	TSP	10.00	44.00
		PM_{10}	10.00	44.00
		VOC	5.20	22.80
		NO_x	32.00	140.00
		SO_2	27.80	121.70
		CO	60.80	266.30
		H_2SO_4	3.00	13.10
		TRS	1.50	6.50
		Fluorides	0.06	0.30

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
4	No. 3 Recovery Boiler South Stack	TSP	10.00	44.00
		PM_{10}	10.00	44.00
		VOC	5.20	22.80
		NO_x	32.00	140.00
		SO_2	27.80	121.70
		CO	60.80	266.30
		H_2SO_4	3.00	13.10
		TRS	1.50	6.50
		Fluorides	0.06	0.30
26	No. 4 Recovery Boiler and Smelt Dissolve Tank Stack	TSP	50.00	219.00
		PM_{10}	50.00	219.00
		VOC	17.90	78.40
		NO_x	171.60	751.60
		SO_2	119.40	522.90
		CO	261.10	1143.80
		H_2SO_4	12.80	56.00
		TRS	6.30	27.80
		Fluorides	0.30	1.30
60	No. 1 NCG Incinerator* Stack*	TSP	2.10	9.40
		PM_{10}	2.10	9.40
	NO_x		2.20	9.80
		SO_2	19.10	83.60
		CO	14.90	65.20
		VOC	0.10	0.50
		TRS	0.20	0.74
61	No. 2 NCG Incinerator Stack	TSP	2.10	9.40
	PM_{10}		2.10	9.40
		NO_x	0.98	4.30
		SO_2	5.48	24.00
		CO	6.50	28.50
		VOC	0.02	0.10
		TRS	0.09	0.40

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
1	No. 1 Power Boiler Stack	TSP	1.14	5.01
	PM_{10}	1.14	5.01	
		NO_x	34.36	150.50
		SO_2	0.14	0.60
		CO	56.85	249.00
		VOC	0.32	1.40
1	No. 2 Power Boiler Stack	TSP	55.00	240.90
	PM_{10}	55.00	240.90	
		VOC	20.00	87.60
		NO_x	268.00	1173.80
		SO_2	2.30	10.10
		CO	190.00	832.20
50	No. 6 Power Boiler Stack	TSP	72.00	315.36
	PM_{10}	72.00	315.36	
		NO_x	190.40	834.00
		SO_2	0.20	0.88
		CO	360.00	1576.80
		VOC	23.20	100.00
51	No. 5 Power Boiler Stack	TSP	1.63	7.14
	PM_{10}	1.63	7.14	
		NO_x	16.94	74.20
		SO_2	0.20	0.88
		CO	30.50	133.59
		VOC	3.07	13.45
13	No. 4 Slaker Stack (4)	TSP	1.37	6.00
		PM_{10} 1.37	6.00	
14	No. 1 Slaker Stack (4)	TSP	1.37	6.00
		PM_{10} 1.37	6.00	
16-A	No. 7 Slaker Stack (4)	TSP	1.37	6.00
		PM_{10} 1.37	6.00	

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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
43	No. 1 Lime Kiln Stack	TSP	10.00	43.80
		PM_{10}	10.00	43.80
		VOC	0.07	0.30
		NO_x	15.87	69.50
		SO_2	3.79	16.60
		CO	19.34	84.70
		TRS	0.53	2.30
9	No. 3 Lime Kiln Stack	TSP	7.23	31.10
		PM_{10}	7.23	31.10
		VOC	0.07	0.31
		NO_x	20.64	90.40
		SO_2	4.93	21.60
		CO	25.11	110.00
		TRS	0.71	3.10
7	No. 4 Lime Kiln Stack	TSP	6.92	30.29
		PM_{10}	6.92	30.29
		VOC	8.01	35.10
		NO_x	29.77	130.40
		SO_2	7.14	31.28
		CO	36.23	158.70
		TRS	0.95	4.16
48	Fresh Lime Handling (4) System, including:	TSP	0.07	0.30
		PM_{10}	0.07	0.30
48a	Fresh Lime Silo No. 1 Vent Filter			
48b	Fugitive Dust Pickup Filter			
48c	Fresh Lime Silo No. 4 Vent Filter			
90	No. 5 Paper Machine Vents	TSP	0.06	0.27
	PM_{10}	0.06	0.27	
		NO_x	3.19	13.97

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		SO_2	0.01	0.03
		CO	0.49	2.16
		VOC	0.02	0.08
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 PM_{10}.
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_2 - sulfur dioxide
CO - carbon monoxide
TRS - total reduced sulfur
Cl_2 - chlorine
ClO_2 - chlorine dioxide
H_2SO_4 - 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 24 Days/week 7
Weeks/year 52 or Hrs/year 8,760

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AIR CONTAMINANTS DATA

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

** NCG Incinerator maximum allowable emission rates are effective after the Incinerator is relocated.

Dated _____