

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1556

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>	
			lbs/hr	TPY
1	Hogger Throat (4)	TSP	1.9	3.5
		PM <sub>10</sub>	1.1	1.9
2	Fresh Chip Storage Building (4)	TSP	0.147	0.33
		PM <sub>10</sub>	0.071	0.159
5	Conveyor Transfer Point No. 2 (4)	TSP	0.042	0.11
		PM <sub>10</sub>	0.02	0.053
8P	Hammermill Operation Cyclone Stack	TSP	1.71	4.42
		PM <sub>10</sub>	1.71	4.42
9	Hammermill Storage Bin, Fabric Filter Vent	TSP	0.68	1.77
		PM <sub>10</sub>	0.68	1.77
10	8 Cooking Vats, Load In Points (4)	TSP	0.62	2.6
		PM <sub>10</sub>	0.35	1.5
11	Cooking Vats, Chip Dump-Vent Stack (Dryer Off)	TSP	0.25	1.0
		PM <sub>10</sub>	0.14	0.57
11	Cooking Vats, Chip Dump-Vent Stack (Dryer On)	TSP	7.29	25.2
		PM <sub>10</sub>	6.10	20.8
		SO <sub>2</sub>	0.15	0.49
		NO <sub>x</sub>	0.66	2.24
		CO	25.7	85.1
12	Overflow Hopper (Building) (4)	VOC	1.39	4.62
		TSP	0.004	0.02
		PM <sub>10</sub>	0.0023	0.011

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13A	Hopper to Emission Point No. 9 via FEL (4)	TSP	1.6	0.042
		PM <sub>10</sub>	0.9	0.024
15	Bin Dump/Truck Loading (4)	TSP	2.0	5.4
		PM <sub>10</sub>	1.1	3.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lbs/hr	TPY
16	Boilers No. 4 and 5 (Dryer Off)	TSP	9.0	29.8
		PM <sub>10</sub>	8.2	27.2
		SO <sub>2</sub>	0.22	0.74
		NO <sub>x</sub>	1.0	3.4
		CO	39	129
		VOC	2.1	7
16	Boilers No. 4 and 5 (Dryer On)	TSP	3.06	10.1
		PM <sub>10</sub>	2.79	9.25
		SO <sub>2</sub>	0.075	0.252
		NO <sub>x</sub>	0.34	1.16
		CO	13.3	43.9
		VOC	0.714	2.38
17	Boilers No. 6, 7 and 8	TSP	13.5	44.7
		PM <sub>10</sub>	12.3	40.8
		SO <sub>2</sub>	0.33	1.11
		NO <sub>x</sub>	1.53	5.1
		CO	58.5	194
		VOC	3.15	10.5

- (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 matter including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter less than 10 microns  
 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

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CO - carbon monoxide

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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- \* Emission rates are based on and the facilities are limited by the following maximum production rates and throughput rates:

18 TPH and 62,000 TPY through chipper

310 TPY FEL, see Emission Point No. 13A

12 TPH and 62,000 TPY out of fresh chip storage through hammermill

7.5 TPH and 62,000 TPY, cooking vat

8 TPH and 43,000 TPY, truck loading

8 TPH and 62,000 TPY, dryer

3.75 TPH and 24,800 TPY, 5 boilers

Dated \_\_\_\_\_