EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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)	Emission Rates * lb/hr	TPY
1	Hogger Throat (4)	PM	1.9	1.84
		PM_{10}	1.1	1.05
2	Fresh Chip Storage Building (4)	PM	0.147	0.184
		PM_{10}	0.071	0.092
5	Conveyor Transfer Point No. 2 (4)	PM	0.042	0.061
		PM_{10}	0.02	0.031
8	Hammermill Cyclone	PM_{10}	1.71	2.47
9	Hammermill Storage Bin, Fabric Filter Vent	PM_{10}	0.68	0.88
10	8 Vessels Load-In (4)	PM	0.62	1.44
		PM_{10}	0.35	0.82
11A **	8 Vessels Unload Point (Dryer Off)	PM	0.25	0.58
		PM_{10}	0.14	0.33
11B **	8 Vessels Unload Point	PM	7.81	19.98

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
	(Dryer On)	PM_{10}	7.03	18.14
		SO_2	0.19	0.24
		NO_x	0.86	1.23
		CO	32.74	21.38
		VOC	1.76	0.59
12	Overflow Hopper (Building) (4)	PM	0.004	0.01
		PM_{10}	0.002	0.005
13A	Hopper to Emission Point No. 9 via FEL (4)	PM	1.6	0.023
		PM_{10}	0.9	0.013
15	Bin Dump/Truck Loading (4)	PM	2.0	2.63
		PM_{10}	1.1	1.5
17A **	Boiler Nos. 6, 7, and 8 (Dryer Off)	PM	13.5	34.65
		PM_{10}	12.3	31.8
		SO_2	0.33	0.42
		NO_x	1.53	2.19
		CO	58.5	38.18
		VOC	3.15	1.05
17B **	Boiler Nos. 6, 7, and 8 (Dryer On)	PM	5.94	15.25
		PM_{10}	5.41	13.99
		SO_2	0.15	0.18
		NO_x	0.67	0.96
		CO	25.74	16.80
		VOC	1.39	0.46
18	Boiler Nos. 9	PM_{10}	0.35	1.55
		SO_2	0.40	1.74
		NO_x	2.64	11.61
		CO	0.66	2.91
		VOC	0.08	0.37
CSP	Cedar Chip Stockpile (4)	PM		2.44
		PM_{10}	1.22	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(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) PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
(4) Fugitive emissions are an estimate only.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

18 tph and 35,000 tpy through chipper

310 tpy FEL, see EPN 13A

12 tph and 35,000 tpy out of fresh chip storage

7.5 tph and 35,000 tpy, cooking vat

8 tph and 21,000 tpy, truck loading

8 tph and 35,000 tpy, dryer

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

2.25 tph and 11,550 tpy, 3 boilers

** During operations when the dryer is on, up to 56 percent of the flue gas from Boiler Nos. 6, 7, and 8 is redirected through the dryer and vented to EPN 11B, along with emissions from the dryer and the unloading enclosure emissions. This is the worst-case scenario because emissions are slightly higher due to the dryer operation.

Either 11A and 17A or 11B and 17B can be operated together. Only emissions from 11B and 17B should be counted to avoid double counting.

Dated