

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 25850

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**
Sawmill	Sawmill Operations (4)	PM	5.50	10.90
		PM <sub>10</sub>	3.09	6.16
Chip Pile	Chip Storage Pile (4)	PM	0.83	1.66
		PM <sub>10</sub>	0.28	0.56
Transfer	Sawdust/Small Chip Transfer (4)	PM	2.07	4.13
		PM <sub>10</sub>	0.75	1.49
Chip Load	Chip Loading to Trucks (4)	PM	0.83	1.66
		PM <sub>10</sub>	0.28	0.56
Bypass	Sawdust Gasifier Bypass Vent	PM	11.88	0.31
		PM <sub>10</sub>	10.44	0.28
		NO <sub>x</sub>	7.92	0.21
		SO <sub>2</sub>	0.90	0.03
		CO	21.60	0.57
		VOC	0.62	0.02
Boiler	Boiler Rotoclone Dust Collector	PM	7.92	16.63
		PM <sub>10</sub>	7.20	15.12
		NO <sub>x</sub>	7.92	16.63
		SO <sub>2</sub>	0.90	1.89
		CO	21.60	45.34
		VOC	0.62	1.29
Ash	Ash Bin Dumping and Loading (4)	PM	0.02	0.03
		PM <sub>10</sub>	0.02	0.02
Old Kiln	Old Steam Dry Kiln	PM <sub>10</sub>	0.26	0.78
		VOC	4.36	13.07

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Planer	Planer Operations (4)	PM	0.92	1.82
		PM <sub>10</sub>	0.36	0.71
New Kiln	New Steam Dry Kiln	PM <sub>10</sub>	0.26	0.78
		VOC	4.36	13.07

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>
- PM<sub>10</sub> - 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 microns is emitted
- 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

Maximum Operating Parameters:

Wood Fuel Feed Rate through Boiler (EPN Boiler): 8,000 lb/hr 17,000 TPY

Kiln Throughput (kiln-dried wood)  
(EPNs Old Kiln and New Kiln): 220,000 bd-ft/dy 55,000,000 bd-ft/yr

The maximum operating schedule for the Sawdust Gasifier Bypass Vent (EPN Bypass) is 52 hours per year (hrs/yr).

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

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Date February 14, 2

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