

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56595

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**
DEB	Debarker	PM	0.09	0.17
		PM <sub>10</sub>	0.04	0.08
CHIP	Chipper	PM	0.03	0.06
		PM <sub>10</sub>	0.01	0.03
SAW	Saw Mill	PM	0.54	1.01
		PM <sub>10</sub>	0.01	0.02
FUGSCREEN	Chip Screening (4)	PM	0.20	0.03
		PM <sub>10</sub>	0.20	0.03
FUGLOADING	Chip Loading (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
KLN-1A	Drying Kiln 1A (4)(5)	PM	0.80	1.90
		PM <sub>10</sub>	0.80	1.90
		VOC	10.70	25.50
KLN-1B	Drying Kiln 1B (4)(5)	PM	0.80	1.90
		PM <sub>10</sub>	0.80	1.90
		VOC	10.70	25.50
KLN-2A	Drying Kiln 2A (4)(5)	PM	0.80	1.90
		PM <sub>10</sub>	0.80	1.90
		VOC	10.70	25.50
KLN-2B	Drying Kiln 2B (4)(5)	PM	0.80	1.90
		PM <sub>10</sub>	0.80	1.90
		VOC	10.70	25.50

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
CYC-2	Planer Mill 1	PM	0.19	0.36
		PM <sub>10</sub>	0.08	0.15
CYC-3	Planer Mill 2	PM	0.19	0.36
		PM <sub>10</sub>	0.08	0.15
CYC-4	Hog Mill	PM	0.14	0.26
		PM <sub>10</sub>	0.06	0.12
CYC-5	Pattern Machine	PM	0.38	0.72
		PM <sub>10</sub>	0.15	0.30
FUGHOPPER	Shavings Bins	PM	0.04	0.07
		PM <sub>10</sub>	0.01	0.01

- (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  
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 10 microns is emitted.
- (4) Fugitive emissions are an estimate only.
- (5) Operating schedule for the drying kilns is 24 hrs/day, 7 days/week, and 50 weeks/year.

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

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

Maximum annual production is based on 60,000,000 BF of lumber produced.  
Emission calculations are based on the following:

Debarker: 77 tons per hour (tph) and 288,750 tpy of log processed with 95% partial enclosure efficiency  
Sawmill: 77 tph and 288,750 tpy of log processed with 98% partial enclosure efficiency  
and NC DAQ Draft Document dated 07/15/1998

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
Chipper:	25 tons per hour (tph) and 93,750 tpy of log processed with 95% partial enclosure efficiency			
Planer Mill:	33.8 tph and 126,750 tpy of log processed for the two mills with 99.5% cyclone efficiency			
Hog Mill:	5.8 tons tph and 21,750 tpy of log processed with 99.5% cyclone efficiency			
Pattern Machine:	33.8 tph and 126,750 tpy of log processed with 99.5% cyclone efficiency			
Shavings Loadout:	5.8 tph and 21,750 tpy of log processed with 60% two-sided enclosure efficiency and NC DAQ Draft Document dated July 15, 1998			

16 Hrs/day 7 Days/week 52 Weeks/year for normal plant operation, except drying kilns.

Dated August 31, 2005