

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 6729

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, sources, and related activities. 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 * (6)	
			lbs/hour	TPY (4)
01	Dry Kiln 1 (26.5 MMBtu/hr) (5)	PM <sub>10</sub>	4.64	13.26
		NO <sub>x</sub>	5.30	15.15
		SO <sub>2</sub>	0.66	1.89
		CO	5.63	16.10
		VOC	23.29	100.10
02	Dry Kiln 2 (26.5 MMBtu/hr) (5)	PM <sub>10</sub>	4.64	13.26
		NO <sub>x</sub>	5.30	15.15
		SO <sub>2</sub>	0.66	1.89
		CO	5.63	16.10
		VOC	23.29	100.10
03	Fuel Cyclone	PM	2.00	8.76
		PM <sub>10</sub>	1.48	6.48
04	No. 1 Chip Cyclone	PM	0.20	0.88
		PM <sub>10</sub>	0.16	0.68
05	No. 2 Chip Cyclone	PM	0.20	0.88
		PM <sub>10</sub>	0.16	0.68
06	Trim Hog Cyclone	PM	2.00	8.76
		PM <sub>10</sub>	1.18	5.17
07	Dry Kiln 3 (27 MMBtu/hr) (5)	PM <sub>10</sub>	4.73	16.92
		NO <sub>x</sub>	5.40	19.33

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		SO <sub>2</sub>	0.68	2.42
		CO	5.74	20.54
		VOC	30.47	127.74
08	Shavings Cyclone	PM	12.00	52.56
		PM <sub>10</sub>	7.80	34.16
09	Planer Building (4)	PM	7.00	30.66
		PM <sub>10</sub>	5.60	24.53
10	Log Sawing (4)	PM	4.69	8.13
		PM <sub>10</sub>	1.41	2.44
11	Debarker (4)	PM	0.64	1.12
		PM <sub>10</sub>	0.19	0.33
12	Chip Loading (4)	PM	0.10	0.07
		PM <sub>10</sub>	0.05	0.04
13	Bark Truck Loading (4)	PM	0.02	0.01
		PM <sub>10</sub>	0.01	0.01
14	Shaving Truck Loading (4)	PM	0.05	0.02
		PM <sub>10</sub>	0.03	0.01
15	Sawdust Truck Loading (4)	PM	0.05	0.04
		PM <sub>10</sub>	0.02	0.02
17	Sawmill Transfer Points (4)	PM	1.13	1.79
		PM <sub>10</sub>	0.53	0.85
18	No. 2 Fuel Bin Cyclone	PM	2.00	8.76
		PM <sub>10</sub>	1.48	6.48

- (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<sub>10</sub>

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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.

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(4) Fugitive emissions are an estimate only.

(5) Hourly emission rates are averaged over kiln cycle time.

(6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

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

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

Maximum hourly lumber production of 56,000 board feet (BF) and annual production of 177,261,000 BF.

Date: January 29, 2013