

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 7286 and PSDTX892M1

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 (10)	
			lbs/hour	TPY (4)
Boiler-1	Wood-fired Boiler (9)	NO <sub>x</sub>	18.00	78.84
		SO <sub>2</sub>	2.40	10.51
		CO	100.78	441.40
		PM	9.47	41.47
		PM <sub>10</sub>	9.47	41.47
		PM <sub>2.5</sub>	9.35	40.97
		VOC	3.26	14.30
		HAP*	0.41	1.80
Planer-1	Planer Mill Cyclone	PM	9.00	39.42
		PM <sub>10</sub>	6.27	27.46
		PM <sub>2.5</sub>	2.49	10.90
CKiln-1	Continuous Wood Drying Kiln No. 1 (6)	VOC	57.29	240.63
		HAP*	4.30	18.04
		MeOH**	3.93	16.50
		HCHO**	0.17	0.69
CKiln-2	Continuous Wood Drying Kiln No. 2 (6)	VOC	57.29	240.63
		HAP*	4.30	18.04
		MeOH**	3.93	16.50
		HCHO**	0.17	0.69
CKiln-1 and CKiln-2	Total Annual Emissions from both Kilns (6)	VOC	-	481.25
		HAP*	-	36.08
		MeOH**	-	33.00
		HCHO**	-	1.38
Debark-1	Log Debarker No. 1 (7)	PM	0.15	0.66
		PM <sub>10</sub>	0.04	0.20
Debark-2	Log Debarker No. 2 (7)	PM	0.73	0.66
		PM <sub>10</sub>	0.22	0.20

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Debark-1 and Debark-2	Total Annual Emissions from both Debarkers (7)	PM	-	1.32
		PM <sub>10</sub>	-	0.40
Saw-1	Cutup Saw Line No. 1 (8)	PM	0.47	0.43
		PM <sub>10</sub>	0.17	0.16
Saw-2	Cutup Saw Line No. 2 (8)	PM	0.47	0.43
		PM <sub>10</sub>	0.17	0.16
Saw-1 and Saw-2	Total Annual Emissions from both Saw Lines (8)	PM	-	0.85
		PM <sub>10</sub>	-	0.31
Chipbin-1	Truck Loadout No. 1	PM	0.07	0.04
		PM <sub>10</sub>	0.03	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
Chipbin-2	Truck Loadout No. 2	PM	0.09	0.10
		PM <sub>10</sub>	0.04	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
Chipbin-3	Truck Loadout No. 3	PM	0.03	0.02
		PM <sub>10</sub>	0.02	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
TP-FUG	Transfer Point Fugitives (5)	PM	0.17	0.64
		PM <sub>10</sub>	0.08	0.30
		PM <sub>2.5</sub>	0.02	0.05

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code (TAC) Chapter 101.1. VOC emission estimates are based on VOC measured as carbon.

\* Also counted as total VOC or PM, as appropriate

\*\* Also counted as total HAP

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

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

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C, including methanol and formaldehyde totals. The numbers reflected include the emissions of methanol and formaldehyde.

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MeOH	- Methanol
HCHO	- Formaldehyde

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Annual compliance will be maintained on the sum of the emissions from the two lumber kilns. West Fraser will maintain records of production for each kiln to verify that the annual total limit is not exceeded.
- (7) Annual compliance will be maintained on the sum of the emissions from the two debarkers. West Fraser will maintain records of total tons of logs processed through both debarkers (aggregate) to verify that the annual total limit is not exceeded.
- (8) Annual compliance will be maintained on the sum of the emissions from the two saw lines. West Fraser will maintain records of tons of logs processed for both saw lines (aggregate) to verify that the annual total limit is not exceeded.
- (9) The wood-fired boiler is controlled by a wet scrubber. Standard Permit Number 96966 authorized replacement of the scrubber on July 22, 2011.
- (10) Planned startup and shutdown emissions are included as well as maintenance activities identified in Special Condition Number 6G.

Date: June 24, 2014