

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6192

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	
			lbs/hour	TPY (4)
S-009 and S-010	Boiler Stacks Nos. 1 & 2 (6)	VOC	11.16	48.89
		NO <sub>x</sub>	57.02	239.13
		SO <sub>2</sub>	8.21	35.95
		PM	24.47	107.19
		PM <sub>10</sub>	24.47	107.19
		CO	196.99	862.83
RTO	Regenerative Thermal Oxidizer*	VOC	5.46	23.92
		NO <sub>x</sub>	7.58	33.21
		SO <sub>2</sub>	<0.01	0.02
		PM	1.16	3.56
		PM <sub>10</sub>	1.16	3.56
		CO	20.88	82.07
		Total HAP	1.46	4.44
S-014, S-015, and S-016	Veneer Dryers (Cooling Zone Stacks) (7)	VOC	4.14	12.42
		PM	4.88	14.63
		PM <sub>10</sub>	4.88	14.63
		CO	3.87	11.61

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		Total HAP	7.20	21.60
PP1 and PP2	Plywood Presses Stack (8)	VOC	21.98	96.23
		PM	12.29	53.82
		PM <sub>10</sub>	12.29	53.82
		Total HAP	19.76	86.54
C-003	Chip Bin Cyclone No. 1 Stack	PM	2.00	6.00
		PM <sub>10</sub>	1.00	3.00
		Wood Dust**	1.00	3.00
C-004	Chip Bin Cyclone No. 2 Stack#	PM	2.50	7.50
		PM <sub>10</sub>	1.25	3.75
		Wood Dust**	1.25	3.75
C-005	Shavings Bin Cyclone Stack#	PM	2.50	7.50
		PM <sub>10</sub>	1.25	3.75
		Wood Dust*	1.25	3.75
C-006	Lumber Dry Waste Cyclone Stack#	PM	2.96	9.61
		PM <sub>10</sub>	2.96	9.61
		Wood Dust**	2.96	9.61
C-007	Fuel House Cyclone Stack	PM	0.88	3.86
		PM <sub>10</sub>	0.44	1.93
		Wood Dust**	0.44	1.93
C-011	Trimsaw Relay Cyclone Stack#	VOC	11.06	48.44
		PM	6.18	27.07

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		PM <sub>10</sub>	6.18	27.07
		Wood Dust**	6.18	27.07
		Total HAP	1.02	4.47
C-012	Plywood Relay Cyclone Stack#	VOC	11.06	48.44
		PM	6.18	27.07
		PM <sub>10</sub>	6.18	27.07
		Wood Dust**	6.18	27.07
		Total HAP	1.02	4.47
C-013	Railcar Loading Cyclone Stack#	PM	2.50	7.50
		PM <sub>10</sub>	1.25	3.75
		Wood Dust**	1.25	3.75
C-014	Duty Waste Truck loading Cyclone Stack	VOC	11.06	48.44
		PM	1.04	4.54
		PM <sub>10</sub>	0.52	2.27
		Wood Dust**	0.52	2.27
		Total HAP	1.02	4.47
F-001	Debarker Fugitives (5)#	PM	2.78	12.19
		PM <sub>10</sub>	1.32	5.77
		Wood Dust**	1.32	5.77
F-002	Chip Screen Fugitives (5)	PM	2.16	9.46

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		PM <sub>10</sub>	1.02	4.47
		Wood Dust**	1.02	4.47
F-003	Chipping Fugitives (5)	PM	2.16	9.46
		PM <sub>10</sub>	1.02	4.47
		Wood Dust**	1.02	4.47
F-006	Veneer Dryer Fugitives (5)	VOC	6.15	18.46
		PM	0.48	1.43
		PM <sub>10</sub>	0.48	1.43
		CO	0.19	0.57
		Total HAP	0.65	1.96
F-007	Stud Mill Fugitives (5)#	PM	1.05	2.99
		PM <sub>10</sub>	1.05	2.99
		Wood Dust**	1.05	2.99
F-008	Fuel House Fugitives (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		Wood Dust**	0.01	0.04
F-009	Temporary Storage Pile Fugitives (5)	PM	0.01	0.06
		PM <sub>10</sub>	<0.01	0.03
		Wood Dust**	<0.01	0.03
F-010	Ash Storage Pile Fugitives (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01

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F-011	Chip Storage Pile Fugitives (5)	PM	<b>1.07</b>	<b>1.61</b>
		PM <sub>10</sub>	<b>0.51</b>	<b>0.76</b>
		Wood Dust**	<b>0.51</b>	<b>0.76</b>
F-012	Chip Truck Loading Fugitives (5)	PM	<b>0.23</b>	<b>0.19</b>
		PM <sub>10</sub>	<b>0.11</b>	<b>0.09</b>
		Wood Dust**	<b>0.11</b>	<b>0.09</b>
F-013	Chip Railcar Loading Fugitives (5)	PM	0.11	0.50
		PM <sub>10</sub>	0.05	0.23
		Wood Dust**	0.05	0.23
F-014	Dry Waste Truck Loading Fugitives (5)	PM	0.08	0.33
		PM <sub>10</sub>	0.04	0.16
		Wood Dust**	0.04	0.16
F-017	Dry Lumber Kilns	VOC	39.55	163.80
		PM	4.94	20.48
		PM <sub>10</sub>	4.94	20.48
		Total HAP	3.74	15.50
F-020	Log Vat No. 1 (5)	VOC	1.68	5.03
F-021	Log Vat No. 2 (5)	VOC	1.68	5.03
F-022	Log Vat No. 3 (5)	VOC	1.68	5.03
F-023	Log Vat No. 4 (5)	VOC	1.68	5.03
F-026	Lathe Fugitives(5)	VOC	16.86	42.09
F-027	Bark Mulch Pile Loading and	PM	0.15	0.06

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		PM <sub>10</sub>	0.07	0.03
F-028	Log/Block/Slasher Saws (5)	PM	2.19	9.60
		PM <sub>10</sub>	0.23	1.01
F-FORMCOAT	Concrete Form Panel Coating (5)	VOC	3.80	0.95
		PM	6.61	1.65
		PM <sub>10</sub>	6.42	1.60
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				
Registration Numbers 35208 (30 TAC § 106.262 - Issued April 17, 1997) and 54255 (for 30 TAC § 106.264 - Issued March 7, 2003)				
F-KOOLPLY	Foil Overlay Adhesive Line and Replacement of original foil overlay line (No. 35208) (5)	VOC	0.86	0.94
Registration Number 36114 (for 30 TAC § 106.262 - Issued August 8, 1997)				
F-PATCH1	Installation of Patch Line 1 (5)	VOC	0.03	0.02
Project No. 54119 (for 30 TAC § 106.261 - Issued October 3, 1997)				
B-001	Installation of Sanderdust 1 Baghouse##	VOC	4.32	4.97
		PM	4.56	9.89
		PM <sub>10</sub>	4.56	9.89
Project No. 54119 (for 30 TAC §106.261 Issued October 3, 1997)				
B-002	Installation of Sanderdust 2 (Bin Vent) Baghouse##	PM	0.03	0.07
		PM <sub>10</sub>	0.03	0.07
Registration Number 37652 (for 30 TAC § 106.262 - Issued March 2, 1998)				

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F-PATCH2	Installation of Patch Line 2 (5)	VOC	0.03	0.02
Project No. 61656 (for 30 TAC § 106.261 - Issued October 26, 1998)				
F-001	Ring Debarker Fugitives (5)#	PM	--	--
		PM <sub>10</sub>	--	--
Project No. 61656 (for 30 TAC § 106.261 - Issued October 26, 1998)				
F-007	Studmill Fugitives (5)#	PM	--	--
		PM <sub>10</sub>	--	--
Registration Number 39448 (for 30 TAC § 106.262 - Issued July 26, 2001)				
C-004, C-005, and C-013	Target boxes at Chip Truck Loading (C-004), Planer Bin (C-005), and Railcar Chip Loading Bin (C-013)#	PM	--	--
		PM <sub>10</sub>	--	--
Registration Number 54260 (for 30 TAC § 106.261 - Issued March 14, 2003)				
C-011 and C-012	Installation of a second dry veneer clipper#	PM	--	--
		PM <sub>10</sub>	--	--
Registration Number 54261 (for 30 TAC § 106.263 - Issued March 14, 2003)				
N/A	Replacement of portion of each Veneer Dryer Control System as Routine Maintenance	N/A	N/A	N/A

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Registration Number 80223 (for 30 TAC § 106.261 and 106.262 - Issued November 17, 2006)				
F-EDGEPUTTY	Edgeputty Application Line (5)	VOC	1.14	4.98
Registration Number 85377 (for 30 TAC § 106.261 - Issued June 30, 2008)				
C-006	Replacement of Cyclone and Material Handling Line#	PM	--	--
		PM <sub>10</sub>	--	--

- (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 § 101.1  
 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  
 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 (40 CFR) Part 63, Subpart C
  - (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) Emission rates from S-009 and S-010 represent the total emissions from the wood-fired boiler.
  - (7) Emission rates from S-014, S-015, and S-016 represent the total emissions from the cooling zones of all three veneer dryers.
  - (8) Emission rates from PP1 and PP2 represent the total emissions from the two plywood presses.
- \* 90 percent of emissions from the veneer dryers go through the RTO stack (identified as EPN RTO), 7 percent go through S-014, S-015, and S-016, and 3 percent of the emissions are fugitive (F-006).



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- \*\* Also counted as PM<sub>10</sub>.
- # Current permitted allowable emissions already account for emissions from PBR authorizations.
- ## Baghouses operate in series.

Date: May 24, 2011