

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 47278

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
16A	Fireboard Woodyard Vent	PM <sub>10</sub>	4.11	12.01
FB-15-FU	Chip Truck Dump (4)	PM <sub>10</sub>	0.04	0.12
FB-14A	Sand and Router Bagfilter	PM <sub>10</sub>	2.38	6.67
FB-120A	Washer No. 1	VOC	3.62	9.63
		MeOH**	3.11	8.30
FB-101#	Fbrbrd Dryer 1	PM <sub>10</sub>	0.60	2.61
		VOC	0.43	1.89
		NO <sub>x</sub>	7.84	34.35
		CO	6.59	28.86
		SO <sub>2</sub>	0.05	0.21
		CHOH	0.01	0.03
FB-101A#	Fbrbrd Dryer 1 ST. "A"	PM <sub>10</sub>	3.01	8.04
		VOC	1.31	3.58
		MeOH**	0.24	0.63
		CHOH	0.34	0.93
FB-101B#	Fbrbrd Dryer 1 ST. "B"	PM <sub>10</sub>	2.16	5.77
		VOC	4.74	12.66
		MeOH**	1.09	2.92
		CHOH	0.04	0.11
FB-101C#	Fbrbrd Dryer 1 ST. "C"	PM <sub>10</sub>	4.12	11.41
		VOC	6.90	19.10
		MeOH**	0.58	1.60
		CHOH	0.15	0.40

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			lb/hr	TPY
FB-101D#	Fbrbrd Dryer 1 ST. "D"	PM <sub>10</sub>	2.39	6.37
		VOC 2.89	7.96	
		MeOH**	0.33	0.89
		CHOH	0.24	0.67
FB-101E#	Fbrbrd Dryer 1 ST. "E"	PM <sub>10</sub>	2.39	6.37
		VOC 5.94	16.45	
		MeOH**	0.51	1.40
		CHOH	1.41	3.90
FB-101F#	FB Dryer Dry Endseal	PM <sub>10</sub>	2.39	6.37
		VOC 3.99	11.05	
		MeOH**	0.35	0.98
		CHOH	0.43	1.20
FB-120B	Washer No. 2	VOC	2.28	6.37
		MeOH**	1.82	5.10
FB-102WET	FB-102WET	PM <sub>10</sub>	4.02	11.25
		VOC 1.70	4.77	
		NO <sub>x</sub> 2.65	7.42	
		CO 0.49	1.37	
		MeOH**	0.14	0.40
FB-210	Foaming Area	VOC	3.60	10.08
FB-210V	Bldg Vents-Humidifier Area	VOC	0.32	0.89
FB-206	FB-206	PM <sub>10</sub>	0.11	0.31
		VOC <0.01	<0.01	
		NO <sub>x</sub> 0.01	0.02	
		CO 0.01	0.02	
		SO <sub>2</sub> <0.01	<0.01	
FB-17BBB	Prhtr. Hood Bldg Vent	VOC	0.45	1.27

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		MeOH**	0.45	1.26
FB-208	FB-208	PM <sub>10</sub>	0.41	1.16
FB-16-FU	Raw Storage Pile (4)	PM <sub>10</sub>	0.76	2.22
FB-201	Dig Unfeed 1	PM <sub>10</sub>	13.59	36.29
FB-202	Dig Infeed 2	PM <sub>10</sub>	8.64	24.19
FB-11	Fiber Products Digester No. 1 and North Blowpit	3.58		
		VOC	100.72	403.43
		CHOH	0.02	0.07
		MeOH**	100.59	402.92
FB-12	Fiber Products Digester No. 2 and South Blowpit	3.76		
		VOC	49.39	207.35
		CHOH	0.03	0.10
		MeOH**	49.31	207.03
FB-13	Fiber Products Digester No. 2 and South Blowpit	3.76		
		VOC	49.37	207.28
		CHOH	0.01	0.04
		MeOH**	49.31	207.03
FB-23	Center Ducon. Outlet	PM <sub>10</sub>	2.48	6.61
FB-31	East Ducon. Outlet	PM <sub>10</sub>	1.97	5.53
FB-207A	Paint Flash Oven	PM <sub>10</sub>	0.02	0.07
		VOC	0.01	0.05
		NO <sub>x</sub>	0.21	0.90
		SO <sub>2</sub>	<0.01	0.01

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FB-207B	Paint Cure Oven	CO	0.17	0.76
		PM <sub>10</sub>	0.02	0.10
		VOC	0.02	0.07
		NO <sub>x</sub>	0.30	1.33
		SO <sub>2</sub>	<0.01	0.01
		CO	0.26	1.12
FB-27-FU	Boiler Fuelhouse	PM <sub>10</sub>	2.21	9.53

- (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<sub>10</sub> - particulate matter (PM) equal 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.
- 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
- CO - carbon monoxide
- MeOH - methanol
- CHOH - formaldehyde
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

\_\_\_\_\_ Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year or 8,760 Hrs/year

\*\* MeOH also counted as VOC.

# Emissions from Dryer 1 Stacks (EPNs FB-101, FB-101A, FB-101B, FB-101C, FB-101D, FB-101E, and FB-101F) should be summed when determining compliance since individual stack emissions may vary.

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			<u>lb/hr</u>	<u>TPY</u>

Dated August 30, 2006