

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18356

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**
10	Shavings Transfer Cyclone	PM/PM <sub>10</sub>	2.00	8.76
BLR1	Boiler/Gasifier No. 1 Cyclone Stack	PM	6.17	15.43
		PM <sub>10</sub>	5.65	14.13
		NO <sub>x</sub>	5.73	14.32
		CO	15.62	39.06
		SO <sub>2</sub>	0.65	1.63
		VOC	0.34	0.85
BLR1a	Boiler/Gasifier No. 1 Gas Bypass Stack	PM	3.09	2.82
		PM <sub>10</sub>	2.83	2.58
		NO <sub>x</sub>	2.86	2.61
		CO	7.81	7.13
		SO <sub>2</sub>	0.33	0.30
		VOC	2.13	1.94
BLR2	Boiler/Gasifier No. 2 Cyclone Stack	PM	6.17	15.43
		PM <sub>10</sub>	5.65	14.13
		NO <sub>x</sub>	5.73	14.32
		CO	15.62	39.06
		SO <sub>2</sub>	0.65	1.63
		VOC	0.34	0.85
BLR2a	Boiler/Gasifier No. 2 Gas Bypass Stack	PM	3.09	2.82
		PM <sub>10</sub>	2.83	2.58
		NO <sub>x</sub>	2.86	2.61
		CO	7.81	7.13
		SO <sub>2</sub>	0.33	0.30
		VOC	2.13	1.94

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
BLR3	Natural Gas Boiler Stack	PM/PM <sub>10</sub>	0.24	1.04
		NO <sub>x</sub>	3.12	13.68
		CO	2.62	11.49
		SO <sub>2</sub>	0.02	0.08
		VOC	0.17	0.75
DK1,DK2,DK3	Steam Dry Kiln Nos.1, 2, and 3	VOC	13.28	
TODK1	Thermal Oil Dry Kiln No. 1	VOC	23.71	
TODK2	Thermal Oil Dry Kiln No. 2	VOC	23.71	
KILNS	Steam Dry Kilns Nos.1, 2, and 3 Thermal Oil Dry Kilns Nos. 1 and 2**	VOC		190.90
TOHSTK	Thermal Oil Heater Stack	PM/PM <sub>10</sub>	0.43	1.86
		NO <sub>x</sub>	3.53	15.45
		CO	3.23	14.16
		SO <sub>2</sub>	0.03	0.15
		VOC	0.31	1.35
SAWFUG	Log Sawing (4)	PM/PM <sub>10</sub>	2.02	2.10
DBRKFUG	Log Debarking (4)	PM/PM <sub>10</sub>	1.38	1.44
CHIPFUG	Chipper (4)	PM/PM <sub>10</sub>	<0.01	<0.01
SCRNFUG	Screening (4)	PM/PM <sub>10</sub>	0.51	0.53
TUBFUG	Tub Grinder (4)	PM/PM <sub>10</sub>	<0.01	<0.01
BRKLOAD	Bark Truck Loading (4)	PM	0.01	0.01

		PM <sub>10</sub>	<0.01	<0.01	
CBINLOAD	Chip Bin Loading (4)	PM	0.08	0.08	
		PM <sub>10</sub>	0.03	0.03	
CTRKLOAD	Chip Truck Loading (4)	PM	0.08	0.08	
		PM <sub>10</sub>	0.03	0.03	
SILOLOAD	Sawdust Silo Loading (4)	PM	0.03	0.03	
		PM <sub>10</sub>	0.01	0.01	
DBINLOAD	Sawdust Truck Bin Loading (4)	PM	0.02	0.02	
		PM <sub>10</sub>	<0.01	<0.01	
DTRKLOAD	Sawdust Truck Loading (4)	PM	0.02	0.02	
		PM <sub>10</sub>	<0.01	<0.01	
SBINLOAD	Shavings Truck Bin Loading (4)	PM	0.02	0.02	
		PM <sub>10</sub>	<0.01	<0.01	
STRKLOAD	Shavings Truck Loading (4)	PM	0.02	0.02	
		PM <sub>10</sub>	<0.01	<0.01	
PAINT	Paint Marking (4)	PM/PM <sub>10</sub>	0.34	0.20	
		VOC	0.98	0.59	
PARTWASH	Remote Reservoir Parts Washer (4)	VOC	0.34	0.37	

(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.

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- (3) 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.
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
  - SO<sub>2</sub> - sulfur dioxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - (4) Fugitive emissions are an estimate only.
- \* Refer to Special Condition No. 1 for throughput limitations and basis of emission rates.
- \*\* Kiln dried production rate not to exceed 115 million board feet per year.

Dated October 13, 2004