

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 Stack	PM <sub>10</sub>	2.00	8.76
BLR1	Boiler/Gasifier #1 Cyclone Stack	PM	8.40	21.00
		PM <sub>10</sub>	5.20	13.00
		NO <sub>x</sub>	0.76	1.90
		CO	13.20	33.00
		SO <sub>2</sub>	0.16	0.38
		VOC	0.36	0.90
BLR1a	Boiler/Gasifier #1 Gas Bypass Stack	PM		
		PM <sub>10</sub>		
		NO <sub>x</sub>		
		CO		
		SO <sub>2</sub>		
		VOC		
BLR2	Boiler Gasifier #2 Cyclone Stack	PM	8.40	21.00
		PM <sub>10</sub>	5.20	13.00
		NO <sub>x</sub>	0.76	1.90
		CO	13.20	33.00
		SO <sub>2</sub>	0.16	0.38
		VOC	0.36	0.90
BLR2a	Boiler/Gasifier #2 Gas Bypass Stack	PM		
		PM <sub>10</sub>		
		NO <sub>x</sub>		
		CO		
		SO <sub>2</sub>		
		VOC		
BLR3	Natural Gas Boiler Stack	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

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
DK1	Steam Dry Kiln #1 (3 track)	VOC 0.17	0.76	
		PM <sub>10</sub>	0.90	3.60
		VOC	6.00	24.00
DK2	Steam Dry Kiln #2 (3 track)	PM <sub>10</sub>	0.90	3.60
		VOC	6.00	24.00
DK3	Steam Dry Kiln #3 (2 track)	PM <sub>10</sub>	0.60	2.70
		VOC	4.00	18.00
DK4***	Gas Fired Dry Kiln #4	PM <sub>10</sub>	4.63	16.82
		NO <sub>x</sub> 4.57	20.02	
		CO 3.84	16.82	
		SO <sub>2</sub> 0.03	0.12	
		VOC 28.82	103.10	
HEMCO***	Gas-Fired Hemco Kiln	PM <sub>10</sub>	2.40	7.47
		NO <sub>x</sub> 1.52	6.67	
		CO 1.28	5.61	
		SO <sub>2</sub> 0.01	0.04	
		VOC 15.32	46.77	
TOHDK1	Thermal Oil Dry Kiln #1	PM <sub>10</sub>	4.29	15.30
		VOC 28.57	102.00	
TOHDK2	Thermal Oil Dry Kiln #2	PM <sub>10</sub>	4.29	15.30
		VOC 28.57	102.00	
TOH1STK	Thermal Oil Heater Stack #1	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	
TOH2STK	Thermal Oil Heater Stack #2	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	

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY**
SAWFUG	Log Sawing (4)	PM <sub>10</sub>	2.02	2.10
DBRKFUG	Log Debarking (4)	PM <sub>10</sub>	1.38	1.44
CHIPFUG	Chipper (4)	PM <sub>10</sub>	<0.01	<0.01
SCRNFUG	Screening (4)	PM <sub>10</sub>	0.51	0.53
TUBFUG	Tub Grinder (4)	PM <sub>10</sub>	<0.01	<0.01
BRKLOAD	Bark Truck Loading (4)	PM	0.01	0.01
CBINLOAD	Chip Bin Loading (4)	PM <sub>10</sub> <0.01	<0.01	0.08
		PM <sub>10</sub> 0.03	0.08	
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 <sub>10</sub>	0.34	0.20

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
		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.

(3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

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

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

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.

CO - carbon monoxide

(4) Fugitive emissions are an estimate only.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Kiln dried production rate not to exceed 115 Million Board feet per Year

\*\*\* These kilns will be replaced one at a time by Thermal Oil Kiln #1 and #2 during the construction phase of this amendment. When the replacement is complete the company will request a permit alteration to remove these old kilns from the permit.