

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9739

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
E1	Sander Dust Silo	Baghouse		PM	0.25	0.86
				VOC	0.01	0.04
E2	Sander Dust Baghouse			PM	1.3	4.47
				VOC	0.14	0.45
E3	Sander Dust Baghouse			PM	1.03	3.53
				VOC	0.11	0.36
E4	Sander Dust Baghouse			PM	1.03	3.53
				VOC	0.11	0.36
E5	Sander Dust Baghouse			PM	1.03	3.53
				VOC	0.11	0.36
E6	Sander Dust Boiler			PM	3.4	5.49
				CO	5.49	8.96
				NO <sub>x</sub>	31.2	50.5
				SO <sub>2</sub>	0.98	0.22
				VOC	0.26	0.95
E7	Direct-Fired Boiler			PM	0.63	0.28
				CO	1.57	6.93
				NO <sub>x</sub>	6.28	23.9
				SO <sub>2</sub>	13.4	1.72
				VOC	0.13	0.55
E8	Fume Oxidizer/Waste Heat Boiler No. 1			PM	0.21	0.72
				CO	19.8	68.0
				NO <sub>x</sub>	2.1	4.89
				SO <sub>2</sub>	4.47	0.57
				VOC	6.62	22.67

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
E9	Fume Oxidizer/Waste Heat Boiler No. 2	PM	0.21	0.72
		CO	19.8	68.0
		NO <sub>x</sub>	2.1	4.89
		SO <sub>2</sub>	4.47	0.57
		VOC	6.62	22.67
E21	Press I Hood	VOC	3.06	10.54
E22	Press II Hood	VOC	3.06	10.54
E23	Press III Hood	VOC	3.06	10.54
E24	Press IV Hood	VOC	3.06	10.54
E25	Press V Hood	VOC	3.06	10.54
E26	Press VI Hood	VOC	3.06	10.54
E31	Phenolic Checkstand Vent	VOC	0.34	1.16
E32	Phenolic Mix Room Vent	VOC	0.15	0.51
E33	Melamine Treater Wet End Stacks (3 Stacks)	VOC	0.04	0.12
E34	Melamine Treater Dryer No.1	VOC	0.23	0.78
E36	Melamine Treater Dryer No.2	VOC	0.23	0.78
E51	General Exhaust Roof Vents for Press Area	VOC	7.85	26.98

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
E52	General Exhaust Roof Vents for Phenolic Area	VOC	17.62	60.35
E53	General Exhaust Vents for Melamine Area	VOC	0.08	0.24
E54	Wall Vent for Waste Water Filter Area	VOC	0.89	0.07
E55	Core-Stock Lint Filter Vent	VOC	0.36	1.21
V1-V4	Phenolic Resin Tanks	VOC	0.32	0.53
V5	Gasoline Tank	Gasoline	7.98	0.11
V6	Diesel Tank	Diesel	<0.01	<0.01
E90	Plantwide Evaporative Losses	Tridecanol	0.95	3.25
		Isopropanol	1.61	5.51
		Lactic Acid	1.44	4.94

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name.

- (3) PM - particulate matter  
VOC - volatile organic compounds as defined in General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

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

Dated \_\_\_\_\_