

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9739

This table lists the maximum allowable emission rates for the sources of emissions authorized by this permit.

AIR CONTAMINANTS DATA

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>
E1	Sander Dust Silo (Baghouse)	PM VOC	0.25 0.01	1.1 0.02
E2	Sander Dust (Baghouse)	PM VOC	1.3 0.05	5.7 0.2
E3	Sander Dust (Baghouse)	PM VOC	1.03 0.04	4.51 0.16
E4	Sander Dust (Baghouse)	PM VOC	1.03 0.04	4.51 0.16
E5	Sander Dust (Baghouse)	PM VOC	1.03 0.11	4.51 0.16
E5A	Sander Dust (Baghouse)	PM VOC	1.03 0.11	4.51 0.16
E5B	Sander Dust (Baghouse)	PM VOC	1.03 0.11	4.51 0.16
E6	Sander Dust Boiler	PM CO NO _x SO ₂ VOC	5.93 1.92 6.25 0.07 0.48	25.94 8.44 27.39 0.39 2.11
E7	Direct-Fired Boiler	PM CO NO _x SO ₂ VOC	0.61 1.54 5.28 0.03 0.13	2.69 6.86 23.56 1.04 0.55

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>	
E8	Fume Oxidizer/Waste Heat Boiler No. 1	PM	0.57	0.93
		CO	12.0	48.73
		NO _x	4.0	2.19
		SO ₂	7.68	0.96
		VOC	0.38	1.1
E9	Fume Oxidizer/Waste Heat Boiler No. 2	PM	0.57	0.93
		CO	12.0	48.73
		NO _x	4.0	2.19
		SO ₂	7.68	0.96
		VOC	0.38	1.1
E21	Press I (Hood)	VOC	0.24	1.04
E22	Press II (Hood)	VOC	0.24	1.04
E23	Press III (Hood)	VOC	0.24	1.04
E24	Press IV (Hood)	VOC	0.24	1.04
E25	Press V (Hood)	VOC	0.24	1.04
E26	Press VI (Hood)	VOC	0.24	1.04
E31	Phenolic Checkstand (Vent) 1.35		VOC	0.31
E32	Phenolic Mix Room (Vent) 0.65		VOC	0.15
E33	Melamine Treater Wet End (3 Stacks)	VOC	0.04	0.16

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E34	Melamine Treater Dryer No. 1	VOC	0.22	0.95

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
E35	Melamine Treater Dryer No. 3	VOC	0.22	0.95
E36	Melamine Treater Dryer No. 2	VOC	0.22	0.95
E51.01	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.02	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.03	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.04	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.05	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.06	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.07	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.08	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.09	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06

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E51.10	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.11	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E51.12	Press Area (General Exhaust Roof Vents)	VOC	0.02	0.06
E52.01	Phenolic Area (General Exhaust Roof Vents)	VOC	5.2	22.78
E52.02	Phenolic Area (General Exhaust Roof Vents)	VOC	11.73	48.76
E52.03	Phenolic Area (General Exhaust Roof Vents)	VOC	1.35	5.88
E52.04	Phenolic Area (General Exhaust Roof Vents)	VOC	4.0	17.49
E52.05	Phenolic Area (General Exhaust Roof Vents)	VOC	0.66	2.88
E52.06	Phenolic Area (General Exhaust Roof Vents)	VOC	0.96	4.18
E53	Melamine Area (General Exhaust Vents)	VOC	0.08	0.32
E54	Waste Water Filter Area (Wall Vent)	VOC	0.89	3.89

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E55	Core-Stock Lint Filter (Vent)	VOC	0.36	1.55
V1 through V4	Phenolic Resin Tanks	VOC	0.17	0.71
V5	Gasoline Tank	Gasoline	0.02	0.09
V6	Diesel Tank	Diesel	<0.01	<0.01
V7	Isopropanol Tank	VOC	0.02	0.08
E90	Plantwide Evaporative Losses	Lactic Acid	1.44	4.94
PPUMPFUG	Phenolic Pump and Piping (Fugitive emissions)	VOC	0.06	0.66
MPUMPFUG	Melamine Pump and Piping (Fugitive emissions)	VOC	0.01	0.01

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

(2) Specific point source name.

(3) PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - 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.

VOC - volatile organic compounds as defined in General Rule 101.1

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NO _x	- total oxides of nitrogen		
SO ₂	- sulfur dioxide		
CO	- carbon monoxide		

Dated _____