

Emission Sources - Maximum Allowable Emission Rates

Permit Number 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, sources, and related activities. 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 (9)	
			lbs/hour	TPY (4)
E1	Sander Dust Silo Baghouse Stack	PM	0.25	1.10
		PM ₁₀	0.25	1.10
		PM _{2.5}	0.25	1.10
		VOC (6)	<0.01	<0.01
E2	Sander Dust Baghouse Stack	PM	1.30	5.70
		PM ₁₀	1.30	5.70
		PM _{2.5}	1.30	5.70
		VOC (6)	<0.01	0.05
E3	Sander Dust Baghouse Stack	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	1.03	4.51
		VOC (6)	0.01	0.04
E4	Sander Dust Baghouse Stack	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	1.03	4.51
		VOC (6)	0.01	0.04
E5	Sander Dust Baghouse Stack	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	1.03	4.51
		VOC (6)	0.01	0.04

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E5A	Sander Dust Baghouse Stack	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	1.03	4.51
		VOC (6)	0.01	0.04
E5B	Sander Dust Baghouse Stack	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	1.03	4.51
		VOC (6)	0.01	0.04
E5C	Sander Dust Baghouse Stack	PM	1.03	4.51
		PM ₁₀	1.03	4.51
		PM _{2.5}	1.03	4.51
		VOC (6)	0.01	0.04
E7	Direct-Fired Boiler Stack (Fuel Oil Allowed for 250 Hours/Year)	PM	0.36	0.62
		PM ₁₀	0.36	0.62
		PM _{2.5}	0.36	0.62
		CO	3.70	6.41
		NO _x	4.40	7.95
		SO ₂	2.56	0.37
		VOC	0.24	0.42
E8	Fume Oxidizer/Waste Heat Boiler Stack (Fuel Oil Allowed for 250 Hours/Year)	PM	0.36	0.52
		PM ₁₀	0.36	0.52
		PM _{2.5}	0.36	0.52
		CO	2.00	8.76
		NO _x	3.60	11.09
		SO ₂	2.56	0.36
		VOC (8)	0.52	2.26
		HAPs (7)	0.37	1.62
E9	Fume Oxidizer/Waste Heat Boiler Stack (Fuel Oil Allowed for	PM	0.36	0.52
		PM ₁₀	0.36	0.52

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		PM _{2.5}	0.36	0.52
		CO	2.00	8.76
		NO _x	5.00	21.90
		SO ₂	2.56	0.36
		VOC (8)	0.19	0.87
		HAPs (7)	0.10	0.46
E10	E&E Fume Oxidizer/Waste Heat Boiler Stack (Fuel Oil Allowed for 250 Hours/Year)	PM	0.36	0.52
		PM ₁₀	0.36	0.52
		PM _{2.5}	0.36	0.52
		CO	2.00	8.76
		NO _x	3.60	14.49
		SO ₂	2.56	0.36
		VOC (8)	0.52	2.26
		HAPs (7)	0.37	1.62
E11	Hurst Sander Wood Fired Boiler Electrostatic Precipitator Stack	PM	7.10	31.10
		PM ₁₀	7.10	31.10
		PM _{2.5}	7.10	31.10
		CO	10.77	30.24
		NO _x	12.00	33.70
		SO ₂	0.47	0.42
		VOC (8)	0.78	1.13
		HAPs (7)	0.22	0.62
E12	Backup Melamine RTO Stack (1,000 hours per year – shall not operate concurrently with EPN E14)	PM	0.50	0.25
		PM ₁₀	0.50	0.25
		PM _{2.5}	0.50	0.25
		CO	4.00	2.00

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		NO _x	2.30	1.15
		SO ₂	0.02	0.01
		VOC (8)	1.77	0.88
		HAPs (7)	1.65	0.83
E14	Melamine RTO Stack	PM	0.50	2.19
		PM ₁₀	0.50	2.19
		PM _{2.5}	0.50	2.19
		CO	4.00	17.52
		NO _x	2.30	10.07
		SO ₂	0.02	0.09
		VOC (8)	1.77	7.76
		HAPs (7)	1.65	7.23
E21	Press I Hood Vent	VOC (6)	0.25	1.08
E22	Press II Hood Vent	VOC (6)	0.25	1.08
E23	Press III Hood Vent	VOC (6)	0.25	1.08
E24	Press IV Hood Vent	VOC (6)	0.25	1.08
E25	Press V Hood Vent	VOC (6)	0.25	1.08
E26	Press VI Hood Vent	VOC (6)	0.25	1.08
E31	Phenolic Checkstand Vent	VOC (6)	0.31	1.34
E51.01	General Exhaust Roof Vent #1 for Press Area	VOC (6)	0.01	0.06
E51.02	General Exhaust Roof Vent #2 for Press Area	VOC (6)	0.01	0.06
E51.03	General Exhaust Roof Vent #3 for Press Area	VOC (6)	0.01	0.06
E51.04	General Exhaust Roof Vent #4 for Press Area	VOC (6)	0.01	0.06

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E51.05	General Exhaust Roof Vent #5 for Press Area	VOC (6)	0.01	0.06
E51.06	General Exhaust Roof Vent #6 for Press Area	VOC (6)	0.01	0.06
E51.07	General Exhaust Roof Vent #7 for Press Area	VOC (6)	0.01	0.06
E51.08	General Exhaust Roof Vent #8 for Press Area	VOC (6)	0.01	0.06
E51.09	General Exhaust Roof Vent #9 for Press Area	VOC (6)	0.01	0.06
E51.10	General Exhaust Roof Vent #10 for Press Area	VOC (6)	0.01	0.06
E51.11	General Exhaust Roof Vent #11 for Press Area	VOC (6)	0.01	0.06
E51.12	General Exhaust Roof Vent #12 for Press Area	VOC (6)	0.01	0.06
PPUMPFUG	Phenolic Pump and Piping Fugitive Emissions (5)	VOC (6)	0.04	0.18
V1	Phenolic Tank #1 (5)	VOC (6)	0.42	0.34
V2	Phenolic Tank #2 (5)	VOC (6)	0.42	0.34
V3	Phenolic Tank #3 (5)	VOC (6)	0.42	0.34
V4	Phenolic Tank #4 (5) (6)	VOC (6)	0.42	0.34
V5	Gasoline AST (5)	VOC	13.11	0.34
V6	Diesel Tank (5)	VOC	<0.01	<0.01
V7	Isopropanol Tank (5)	VOC	2.50	0.10
PWW1	Phenolic Wash Water Tank #1 (5)	VOC (8)	1.18	5.15
		HAPs (7)	1.16	5.08
PWW2	Phenolic Wash Water Tank #2 (5)	VOC (8)	1.18	5.15

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		HAPs (7)	1.16	5.08
V8	HP Melamine Resin Tank (5)	VOC (6)	0.41	0.09
V9	HP Melamine Resin Tank (5)	VOC (6)	0.41	0.09
V10	HP Melamine Resin Tank (5)	VOC (6)	0.41	0.09
V11	HP Melamine Resin Tank (5)	VOC (6)	0.41	0.09
V12	LP Melamine Resin Tank (5)	VOC (6)	0.41	0.11
V13	LP Melamine Resin Tank (5)	VOC (6)	0.41	0.11
V14	VF Melamine Resin Tank (5)	VOC (6)	0.40	0.02
V15	UF Melamine Resin Tank (5)	VOC (6)	0.40	0.02
MWW1	Melamine Wash Water Tank #1 (5)	VOC (6)	0.04	0.18
MWW2	Melamine Wash Water Tank #2 (5)	VOC (6)	0.04	0.18
MPUMPFUG	Melamine Pump and Piping Fugitive Emissions (5)	VOC (6)	<0.01	<0.01

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) VOC emissions are composed entirely of HAPs.
- (7) HAPs speciated from VOC totals.

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(8) VOC total includes HAPs.

(9) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: June 7, 2016