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 (5)	
			lbs/hour	TPY (4)
E1	Sander Dust Silo (Baghouse)	PM	0.25	1.10
		PM_{10}	0.25	1.10
		$PM_{2.5}$	0.25	1.10
		VOC	<0.01	<0.01
E2	Sander Dust (Baghouse)	PM	1.30	5.70
		PM_{10}	1.30	5.70
		$PM_{2.5}$	1.30	5.70
		VOC	0.02	0.06
E3	Sander Dust (Baghouse)	PM	1.03	4.51
		PM_{10}	1.03	4.51
		$PM_{2.5}$	1.03	4.51
		VOC	0.01	0.04
E4	Sander Dust (Baghouse)	PM	1.03	4.51
		PM_{10}	1.03	4.51
		$PM_{2.5}$	1.03	4.51
		VOC	0.01	0.04
E5	Sander Dust (Baghouse)	PM	1.03	4.51
		PM_{10}	1.03	4.51
		$PM_{2.5}$	1.03	4.51
		VOC	0.01	0.04
E5A	Sander Dust (Baghouse)	PM	1.03	4.51

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	1.03	4.51
		$PM_{2.5}$	1.03	4.51
		VOC	0.01	0.04
E5B	Sander Dust (Baghouse)	PM	1.03	4.51
		PM_{10}	1.03	4.51
		$PM_{2.5}$	1.03	4.51
		VOC	0.01	0.04
E5C	Sander Dust (Baghouse)	PM	1.03	4.51
		PM_{10}	1.03	4.51
		$PM_{2.5}$	1.03	4.51
		VOC	0.01	0.03
E7	Direct-Fired Boiler	PM	0.36	1.52
		PM_{10}	0.36	1.52
		$PM_{2.5}$	0.36	1.52
		VOC	0.24	1.07
		CO	3.70	16.39
		NO_X	4.40	19.83
		SO_2	2.56	0.44
E8	Hirt 2 Fume Oxidizer/Waste Heat Boiler (Natural Gas)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC	0.52	2.26
		CO	2.00	8.76
		NO_X	2.50	10.95
		SO_2	<0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

E9	Hirt 3 Fume Oxidizer/Waste Heat Boiler (Natural Gas)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC	0.20	0.87
		CO	2.00	8.76
		NO_X	5.00	21.90
		SO_2	<0.01	0.04
E10	Epcon 1 Fume Oxidizer/Waste Heat Boiler (Natural Gas)	PM	0.11	0.49
		PM_{10}	0.11	0.49
		$PM_{2.5}$	0.11	0.49
		VOC	0.52	2.26
		CO	2.00	8.76
		NO_X	3.30	14.46
		SO_2	<0.01	0.04
E11	Hurst Sander Boiler/Electrostatic Precipitator	PM	7.10	31.10
		PM_{10}	7.10	31.10
		$PM_{2.5}$	7.10	31.10
		VOC	0.78	3.43
		CO	10.77	47.17
		NO_X	6.20	27.16
		SO_2	0.47	2.05
E12	Melamine RTO	PM	0.50	2.19
		PM_{10}	0.50	2.19
		$PM_{2.5}$	0.50	2.19
		VOC	1.40	6.18

Emission Sources - Maximum Allowable Emission Rates

		CO	4.00	17.52
		NO_X	2.30	10.08
		SO_2	0.02	0.09
E21-E26	Press I - VI (Hood)	VOC	1.48	6.47
E31	Phenolic Checkstand (Vent)	VOC	0.31	1.35
E33	Melamine Treater Wet End (3 Stacks) [6]	VOC	1.98	8.64
E34A	Melamine Treater Dryer No. 1 [6]	VOC	7.17	3.59
E34B	Melamine Treater Dryer No. 1 [6]	VOC	1.76	7.71
E35	Melamine Treater Dryer No. 3	PM	0.04	0.02
		PM_{10}	0.04	0.02
		$PM_{2.5}$	0.04	0.02
		VOC	9.90	4.95
		CO	0.45	0.23
		NO_X	0.54	0.27
		SO_2	<0.01	<0.01
E36	Melamine Treater Dryer No. 2	VOC	8.92	39.07
E51.01 - E51.12	Press Area (General) Exhaust Roof Vents	VOC	0.16	0.71
V1 - V4	Phenolic Resin Tanks	VOC	1.70	1.35
V5	Gasoline Tank	Gasoline	13.11	0.35
V7	Isopropanol Tank	VOC	2.50	0.11
V8 - V11	HP Melamine Resin Tanks	VOC	0.99	2.34
V12 - V13	LP Melamine Resin Tanks	VOC	0.81	1.53
PWW1	Phenolic Wash Water Tank No. 1	VOC	1.18	5.16
PWW2	Phenolic Wash Water Tank No. 2	VOC	1.18	5.16
MWW1	Melamine Wash Water Tank No.	VOC	0.04	0.18

Emission Sources - Maximum Allowable Emission Rates

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MWW2	Melamine Wash Water Tank No. 2	VOC	0.04	0.18
PPUMPFUG	Phenolic Pump and Piping Fugitives	VOC	0.05	0.19
MPUMPFUG	Melamine Pump and Piping Fugitives	VOC	<0.01	0.02

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
(4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
(5) Allowable emission rates include planned maintenance, startup, and shutdown activities.
(6) RTO bypass limited to 1000 hr/yr.

Date: July 23, 2021