

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20652

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)
23A	Laminator 2 Plasma Treater	Ozone	<0.01	<0.01
23B	Laminator 2 Flame Preheater 1	CO	0.10	0.43
		NO _x	0.12	0.52
		PM	<0.01	0.04
		PM ₁₀	<0.01	0.04
		PM _{2.5}	<0.01	0.04
		SO ₂	<0.01	<0.01
		VOC	0.01	0.03
23BB	Laminator 2 Flame Preheater 2	CO	0.10	0.43
		NO _x	0.12	0.52
		PM	<0.01	0.04
		PM ₁₀	<0.01	0.04
		PM _{2.5}	<0.01	0.04
		SO ₂	<0.01	<0.01
		VOC	0.01	0.03
23C	Laminator 2 Station 1 Extruder	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06
23D	Laminator 2 Station 2 Extruder	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06

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			lbs/hour	TPY (4)
23E	Laminator 2 Station 3 Extruder	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06
TAM-1	Twinlock Activator Machine	VOC	0.09	0.28
10	Flexopress 10	VOC	6.75	12.31
	Flexopress 10 Heater	CO	0.16	0.72
		NO _x	0.20	0.86
		PM	0.01	0.07
		PM ₁₀	0.01	0.07
		PM _{2.5}	0.01	0.07
		SO ₂	<0.01	<0.01
		VOC	0.01	0.05
		NH ₃	0.10	0.31
10T	Flametreater 10	CO	0.07	0.30
		NO _x	0.08	0.35
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		SO ₂	<0.01	<0.01
		VOC	<0.01	0.02
PPH10	Prepunch Holes for Flexopress 10	PM	0.03	0.13
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13

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ZONES 1-4	Production Hall Fugitives, Laminator 2 Cleanup, Flexopress Cleaning Fugitives, Platemaker Processor, Web Cleaner Fabric Filter, Trim Line B, Digital Press Web Cleaners	VOC	6.71	16.50
		PM	0.05	0.20
		PM ₁₀	0.05	0.20
		PM _{2.5}	0.05	0.20
		NH ₃	<0.01	<0.01
12	Flexopress 12	VOC	4.78	8.72
	Flexopress 12 Heater	CO	0.16	0.72
		NO _x	0.20	0.86
		PM	0.01	0.07
		PM ₁₀	0.01	0.07
		PM _{2.5}	0.01	0.07
		SO ₂	<0.01	0.01
		NH ₃	0.07	<0.01
		VOC	0.01	0.05
PPH	Prepunch Holes for Flexopress 12	PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06
PPHDP	Prepunch Holes for Digital Press	PM	0.03	0.12
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.03	0.12
PPHC	Prepunch Hole Compactor	PM	0.02	0.67
		PM ₁₀	0.02	0.67
		PM _{2.5}	0.02	0.67

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
BO1	Beringer Cleaner	VOC	0.83	0.13
		PM	0.47	0.07
		PM ₁₀	0.47	0.07
		PM _{2.5}	0.47	0.07
RTO	Regenerative Thermal Oxidizer – Process Emissions from Digital Printing and Platemaker Dryer	VOC	0.98	4.21
	Regenerative Thermal Oxidizer - Combustion	VOC	0.03	0.14
		PM	0.04	0.19
		PM ₁₀	0.04	0.19
		PM _{2.5}	0.04	0.19
		CO	0.47	2.07
		SO ₂	<0.01	0.01
		NO _x	0.56	2.46
DP1	Digital Press IC-Color Unit	VOC	0.08	0.37
	Digital Press IC Heater	VOC	<0.01	0.03
		PM	0.01	0.04
		PM ₁₀	0.01	0.04
		PM _{2.5}	0.01	0.04
		CO	0.96	0.42
		SO ₂	<0.01	<0.01
		NO _x	0.11	0.50

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
DP2	Digital Press Over-Print-Varnish (OPV) Unit	VOC	0.40	1.13
	Digital Press OPV Heater	VOC	<0.01	0.03
		PM	0.01	0.04
		PM ₁₀	0.01	0.04
		PM _{2.5}	0.01	0.04
		CO	0.96	0.42
		SO ₂	<0.01	<0.01
		NO _x	0.11	0.50
All Emission Points at the Site	All Sources at the Site	Single HAP		<10.00
		Total HAPs		<25.00

- (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
NH₃ - ammonia
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: December 10, 2019