

# 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 <sub>x</sub>	0.12	0.52
		PM	<0.01	0.04
		PM <sub>10</sub>	<0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.04
		SO <sub>2</sub>	<0.01	<0.01
		VOC	0.01	0.03
23BB	Laminator 2 Flame Preheater 2	CO	0.10	0.43
		NO <sub>x</sub>	0.12	0.52
		PM	<0.01	0.04
		PM <sub>10</sub>	<0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.04
		SO <sub>2</sub>	<0.01	<0.01
		VOC	0.01	0.03
23C	Laminator 2 Station 1 Extruder	PM	0.01	0.06
		PM <sub>10</sub>	0.01	0.06
		PM <sub>2.5</sub>	0.01	0.06
23D	Laminator 2 Station 2 Extruder	PM	0.01	0.06
		PM <sub>10</sub>	0.01	0.06
		PM <sub>2.5</sub>	0.01	0.06

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			lbs/hour	TPY (4)
23E	Laminator 2 Station 3 Extruder	PM	0.01	0.06
		PM <sub>10</sub>	0.01	0.06
		PM <sub>2.5</sub>	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 <sub>x</sub>	0.20	0.86
		PM	0.01	0.07
		PM <sub>10</sub>	0.01	0.07
		PM <sub>2.5</sub>	0.01	0.07
		SO <sub>2</sub>	<0.01	<0.01
		VOC	0.01	0.05
		NH <sub>3</sub>	0.10	0.31
10T	Flametreater 10	CO	0.07	0.30
		NO <sub>x</sub>	0.08	0.35
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	0.02
PPH10B	Prepunch Holes for Flexopress 10	PM	0.27	1.17
		PM <sub>10</sub>	0.27	1.17
		PM <sub>2.5</sub>	0.27	1.17

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			lbs/hour	TPY (4)
ZONES 1-4	Production Hall Fugitives, Laminator 2 Cleanup, Flexopress Cleaning Fugitives, Platemaker Processor, Web Cleaner Fabric Filter	VOC	4.64	7.94
		PM	0.05	0.23
		PM <sub>10</sub>	0.05	0.23
		PM <sub>2.5</sub>	0.05	0.23
		NH <sub>3</sub>	<0.01	<0.01
12	Flexopress 12	VOC	4.78	8.72
	Flexopress 12 Heater	CO	0.16	0.72
		NO <sub>x</sub>	0.20	0.86
		PM	0.01	0.07
		PM <sub>10</sub>	0.01	0.07
		PM <sub>2.5</sub>	0.01	0.07
		SO <sub>2</sub>	<0.01	0.01
		NH <sub>3</sub>	0.07	<0.01
		VOC	0.01	0.05
22	Platemaker Dryer	VOC	5.52	16.92
PPH	Prepunch Holes for Flexopress 12	PM	0.02	0.08
		PM <sub>10</sub>	0.02	0.08
		PM <sub>2.5</sub>	0.02	0.08
WW-1	Wastewater Room Vent	VOC	0.48	1.47
BO1	Beringer Cleaner	VOC	0.83	0.13
		PM	0.47	0.07
		PM <sub>10</sub>	0.47	0.07
		PM <sub>2.5</sub>	0.47	0.07
T-B	Trim Line B	PM	0.04	0.18
		PM <sub>10</sub>	0.04	0.18
		PM <sub>2.5</sub>	0.04	0.18

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
POLY-HNDL	Polyethylene Beads Pneumatic Transfer	PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
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<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - 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  
 NH<sub>3</sub> - 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: May 28, 2019