

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 17994

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)
1	Cyclone Separator and Trim Shredder controlled by Baghouse No. 1	PM	0.34	1.50
		PM <sub>10</sub>	0.34	1.50
		PM <sub>2.5</sub>	0.34	1.50
2	Mutlitor Cyclone Baghouse No. 2	PM	0.14	0.60
		PM <sub>10</sub>	0.14	0.60
		PM <sub>2.5</sub>	0.14	0.60
3	Baghouse - Roller Refinishing Feed Mix	PM	0.05	0.23
		PM <sub>10</sub>	0.05	0.23
		PM <sub>2.5</sub>	0.05	0.23
5	Roller Refinishing – Roller Recovery	VOC	2.66	0.73
		HCl	0.03	<0.01
5A	Roller Refinishing – Ink Mill	VOC	0.44	0.12
		HCl	<0.01	<0.01
6	Nickel Electroforming	VOC	0.20	0.21
		Nickel Compounds	<0.01	<0.01
7	Hard Chromium Electroplating (Composite Mesh Pad Scrubber)	VOC	0.20	0.21
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Chromium Compounds	<0.01	<0.01
8A1	Aqueous Wastewater Batch Tank #1	VOC	1.09	0.13
		Exempt Solvent	0.05	<0.01
8A2	Aqueous Wastewater Batch Tank #2	VOC	1.09	0.13
		Exempt Solvent	0.05	<0.01

Emission Sources - Maximum Allowable Emission Rates

8A3	Aqueous Wastewater Batch Tank #3	VOC	1.09	0.13
		Exempt Solvent	0.05	<0.01
8A4	Aqueous Wastewater Batch Tank #4	VOC	1.09	0.13
		Exempt Solvent	0.05	<0.01
8A5	Aqueous Wastewater Equalization Tank	VOC	2.18	0.45
		Exempt Solvent	0.11	0.02
8B	Sulfuric Acid Tanks	Sulfuric Acid	<0.01	<0.01
12A	Offset Lithographic Printing Presses – Fugitives	VOC	8.42	9.79
12B	COPE Printing Presses – Fugitives	VOC	29.70	8.74
12C	LEPE Printing Presses – Fugitives	VOC	3.62	1.99
14A	Ink Mill Weigh Stations – Scrubber	VOC	0.19	0.25
		PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
14B	Ink Mill Mixing Stations – General Exhaust	VOC	0.19	0.25
14C	Ink Mill Milling Stations – General Exhaust	VOC	1.57	2.04
14D	Ink Mill – Solvent Cleaning	VOC	1.58	1.64
16	Intaglio Plate Printing – Regenerative Thermal Oxidizer (RTO)	VOC	1.54	2.53
		NO <sub>x</sub>	0.89	3.65
		CO	0.69	2.98
		PM	0.08	0.29
		PM <sub>10</sub>	0.08	0.29
		PM <sub>2.5</sub>	0.08	0.29
		SO <sub>2</sub>	<0.01	0.02
16A	Intaglio Printing Presses - Fugitives	VOC	5.88	9.62
All EPNs at the Site	All Sources at the Site	Individual HAP		<10.00
		Combined 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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

Emission Sources - Maximum Allowable Emission Rates

VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
HCl	- hydrogen chloride
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>
PM <sub>10</sub>	- total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub>
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

(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: January 30, 2019