

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 108176

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 (8)	
			lbs/hour	TPY (4)
OX-1, OX-2, and OX-3	Regenerative Thermal Oxidizers	VOC	(5)	26.15
OX-1	60,000 SCFM Regenerative Thermal Oxidizer	VOC	4.75	(6)
		SO <sub>2</sub>	0.01	0.03
		PM <sub>10</sub>	0.11	0.33
		PM <sub>2.5</sub>	0.11	0.33
		NO <sub>x</sub>	1.44	4.34
		CO	1.21	3.64
OX-2	30,000 SCFM Regenerative Thermal Oxidizer	VOC	2.38	(6)
		SO <sub>2</sub>	< 0.01	0.01
		PM <sub>10</sub>	0.06	0.14
		PM <sub>2.5</sub>	0.06	0.14
		NO <sub>x</sub>	0.62	1.84
		CO	0.52	1.55
OX-3	55,000 SCFM Regenerative Thermal Oxidizer	VOC	4.35	(6)
		SO <sub>2</sub>	0.01	0.02
		PM <sub>10</sub>	0.10	0.29
		PM <sub>2.5</sub>	0.10	0.29
		NO <sub>x</sub>	1.26	3.77
		CO	1.06	3.17
FUG-1	Cleaning & Ink Room Fugitives (7)	VOC	5.31	3.33

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T-1	10,000 gal Solvent Storage Tank	VOC	3.21	0.05
T-2	14,500 gal Solvent Storage Tank	VOC	3.21	0.08
T-3	14,500 gal Solvent Storage Tank	VOC	3.21	0.08
All	Sitewide Emissions	Any 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>  
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 hourly emission rate is represented under each oxidizer.
- (6) The annual emissions are represented under a single cap.
- (7) Includes facility parts cleaner emissions.
- (8) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: November 12, 2013