

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 20814

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)
12	Thermal Oxidizer – Emissions CAP	NO <sub>x</sub>	32.47	6.35
		CO	3.85	14.40
		SO <sub>2</sub>	46.48	9.94
		PM	0.05	0.20
		PM <sub>10</sub>	0.05	0.20
		PM <sub>2.5</sub>	0.05	0.20
		VOC	6.54	1.17
		Exempt Solvent	2.37	0.37
		IOC	1.26	0.32
		HAPs	4.47	0.75
		HCl	61.06	10.07
		HF	1.45	4.03
		HBr	9.03	2.76
13	Acid Scrubber	VOC	0.59	0.11
16	Dust Collector	PM	< 0.01	< 0.01
		PM <sub>10</sub>	< 0.01	< 0.01
		PM <sub>2.5</sub>	< 0.01	< 0.01

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17	Boiler	NO <sub>x</sub>	0.49	0.44
		CO	0.41	0.37
		SO <sub>2</sub>	0.01	0.01
		PM	0.04	0.03
		PM <sub>10</sub>	0.04	0.03
		PM <sub>2.5</sub>	0.04	0.03
		VOC	0.03	0.02
18	10-Spot Container Cleaning Rack	VOC	19.14	2.61
		IOC	0.01	< 0.01
		HAPs	0.34	0.08
22	Flare – Emissions CAP	NO <sub>x</sub>	18.75	20.56
		CO	33.03	72.44
		SO <sub>2</sub>	15.43	3.68
		PM	0.45	0.98
		PM <sub>10</sub>	0.45	0.98
		PM <sub>2.5</sub>	0.45	0.98
		VOC	43.22	10.46
		Exempt Solvent	15.66	3.56
		IOC	0.09	0.02
		HAPs	31.29	7.11

23	Process Fugitives	VOC	0.62	2.72
		Exempt Solvent	0.64	2.78

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		IOC	0.46	2.02
		HAPs	0.64	2.78
24	Wastewater Loading	VOC	0.11	0.01
		Exempt Solvent	0.12	0.01
		IOC	0.08	0.01
		HAPs	0.12	0.01
25	4-Spot ISO/Truck Cleaning Rack	VOC	4.18	0.26
		IOC	< 0.01	< 0.01
		HAPs	0.12	0.01
28	Caustic Scrubber – Emissions CAP	VOC	14.25	2.61
		IOC	0.04	0.04
		HAPs	0.07	0.01
All EPNs	All Sources at the Site	Individual 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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound

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

HCl - hydrogen chloride

HF - hydrogen fluoride

IOC - inorganic compounds

HBr - hydrogen bromide

HAP - hazardous air pollutants

(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.

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Date: Month xx, 2022

DRAFT