

Emission Sources - Maximum Allowable Emission Rates

Permit Number 173276

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)
TO-1	Thermal Oxidizer	VOC	1.84	5.52
		Exempt Solvent	0.18	0.54
		IOC	0.29	0.87
		SO ₂	5.32	4.65
		HCl	9.07	12.24
		HBr	8.85	14.28
		HF	0.29	1.74
		VOC (6)	0.02	0.06
		NO _x (6)	2.88	9.05
		CO (6)	0.49	1.52
		SO ₂ (6)	<0.01	0.02
		PM (6)	0.02	0.07
		PM ₁₀ (6)	0.02	0.07
		PM _{2.5} (6)	0.02	0.07
V-STK-1	Scrubber/CAS	IOC	2.96	4.43
WR-1	NS Wash Rack	VOC	21.39	10.52
		IOC	2.41	0.77
WT-1	NS Wastewater Tank 1	VOC	0.02	0.05
		Exempt Solvent	<0.01	0.03
		IOC	0.02	0.05
WT-2	NS Wastewater Tank 2	VOC	0.02	0.05
		Exempt Solvent	<0.01	0.03
		IOC	0.02	0.05
WL-1	NS Wastewater Loading	VOC	0.13	0.03

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		Exempt Solvent	0.05	0.02
		IOC	0.09	0.03
FUG	NS Fugitives	VOC	<0.01	<0.01
		Exempt Solvent	<0.01	<0.01
		IOC	<0.01	<0.01
TWR-1	SS Wash Rack	VOC	10.70	4.05
		IOC	1.21	0.39
TWT-1	SS Wastewater Tank 1	VOC	0.02	0.03
		Exempt Solvent	0.01	0.02
		IOC	0.02	0.03
TWT-2	SS Wastewater Tank 2	VOC	0.02	0.03
		Exempt Solvent	0.01	0.02
		IOC	0.02	0.03
TWL-1	SS Wastewater Loading	VOC	0.13	0.02
		Exempt Solvent	0.07	0.01
		IOC	0.13	0.02
TFUG	SS Fugitives	VOC	<0.01	<0.01
		Exempt Solvent	<0.01	<0.01
		IOC	<0.01	<0.01
All Emission Points at the Site	All Sources at the Site	Individual HAP	--	<10.00
		All 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
IOC-U - inorganic compounds (unspeciated)
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

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HCl - Hydrogen Chloride
HBr - Hydrogen Bromide
HF - Hydrogen Fluoride

- (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.
- (6) Combustion emissions

Date: Draft Date