

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1743

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	
			lbs/hour	TPY (4)
ACR-PROCFUG	Process Area Fugitives (5)	VOC	0.69	3.01
		NH ₃	0.09	0.37
ACR-TOU51	Thermal Oxidizer	NO _x	134.04	369.74
		CO	79.26	39.44
		SO ₂	3.06	13.39
		HCN	0.07	0.27
		VOC	0.62	2.32
		PM	0.73	3.20
		PM ₁₀	0.73	3.20
		PM _{2.5}	0.73	3.20
ACR-VC51	Thermal Combustor	NO _x	223.78	43.73
		CO	127.27	44.45
		SO ₂	3.01	0.42
		HCN	1.34	0.44
		VOC	1.71	0.93
		PM	0.13	0.55
		PM ₁₀	0.13	0.55
		PM _{2.5}	0.13	0.55
ACR-CLT229	Cooling Tower	VOC	1.97	8.65
		PM	0.47	1.04
		PM ₁₀	0.30	0.66
		PM _{2.5}	0.01	0.01
ACR-FLR57	ISBL Flare	NO _x	0.40	0.60
		CO	0.80	1.20

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		SO ₂	0.01	0.01
		VOC	0.02	0.03
ACR-TFX223	ISBL Brine Storage Tank	Methanol	0.04	0.01
ACR-TFX232	RCRA Filtrate Tank	HCN	0.12	0.05
		VOC	0.13	0.05
ACR-TFX280	West HCN Brine Tank	Methanol	0.01	0.01
ACR-TFX281	East HCN Brine Tank	Methanol	0.01	0.01
ACR-TFX375	One Million Gallon Tank	HCN	0.12	0.08
		VOC	0.13	0.08
ACR-WWC376	RCRA WW West Settler	HCN	0.01	0.01
		VOC	0.01	0.01
ACR-WWC377	RCRA WW East Settler	HCN	0.01	0.01
		VOC	0.01	0.01
ACR-TF206A	Sulfuric Acid Tank	Sulfuric Acid	0.01	0.01
ACR-TF206B	Sulfuric Acid Tank	Sulfuric Acid	0.01	0.01
ACR-TFX207	Sulfuric Acid Tank	Sulfuric Acid	0.01	0.01
ACR-SMPCS	Sump Tank	HCN	0.21	0.02
		VOC	0.21	0.02
ACRDEGR	Degreaser	VOC	0.10	0.06

- (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)
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - SO₂ - sulfur dioxide
 - HCN - hydrogen cyanide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NH₃ - ammonia
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

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Date: September 21, 2018