

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19997

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)
99IBAPLOAD	IBAP Loading	VOC	0.01	0.01
99IBBLOAD	IBB Loading	VOC	0.01	0.01
99IBPELOAD	IBPE Loading	VOC	0.01	0.01
99MN8900	Flare	CO	31.84	23.25
		HCl	2.96	2.16
		HF	0.39	0.29
		NO _x	4.77	3.48
		SO ₂	0.01	0.01
		VOC	51.50	37.60
99T8412	T-8412 - Vacuum Jet Scrubber	HF	0.01	0.01
		VOC	0.01	0.01
99V8201	Tank V-8201-Ethylene Glycol	VOC	0.54	0.04
99V8301	Tank V-8301 - IBB	VOC	2.45	0.16
99V8308	Tank V-8308 - IBAP	VOC	0.60	0.21
99V8408	Tank V 8408 - IBAP	VOC	0.60	0.03
99V8409	Tank V 8409 - IBAP	VOC	0.60	0.03
99V8507	Tank V-8507	VOC	1.51	0.69
99V8508	Tank V-8508 – IBPE Surge Tank	VOC	0.12	0.06
99V8600	Tank V 8600 - IBPE Preheat Tank	VOC	0.01	0.01
99V8797	Tank V-8797 – IBPE Rework Vessel	VOC	0.03	0.01
99V2829	Tank V-2829 – IBB	VOC	3.77	0.25
S-18	Acetic Anhydride	VOC	4.80	0.47

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	Storage Tank			
99MN8766	MN8766 – Packaging Emissions	PM	0.18	0.15
		PM ₁₀	0.18	0.15
		PM _{2.5}	0.18	0.15
		VOC	3.28	2.78
99MN8765	Filter/Dryer	PM	0.11	0.04
		PM ₁₀	0.11	0.04
		PM _{2.5}	0.11	0.04
		VOC	1.97	0.64
99IBUFUG	Ibuprofen Unit Process Fugitive Emissions (5)	AcF	0.01	0.02
		CO	0.29	1.28
		HCl	0.01	0.06
		HF	0.04	0.18
		VOC	1.60	4.42

- (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_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
- AcF
 - acetyl fluoride
- HCl
 - hydrochloric acid
- HF
 - hydrofluoric acid
- (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.

Date: September 8, 2016