

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. 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 *	
			lb/hr	TPY**
99IBAPLOAD	IBAP Loading and Unloading	VOC	0.01	0.01
99IBBLOAD	IBB Loading and Unloading	VOC	0.01	0.01
99IBPELOAD	IBPE Loading and Unloading	VOC	0.01	0.01
99MB8760	MB8760 - Packaging Emissions	PM ₁₀	0.03	0.10
		VOC	3.90	6.28
99MN8900	Flare	CO	43.63	31.86
		HCl1.37	1.00	
		HF	0.28	0.21
		NO _x	4.07	2.97
		SO ₂ 0.02	0.01	
		VOC	28.86	21.07
99T8412	T-8412 - Vacuum Jet Scrubber	HF	0.01	0.01
		VOC	0.01	0.01
99V8201	Tank V-8201 - Ethylene Glycol	VOC	0.11	0.01
99V8301	Tank V-8301 - IBB	VOC	3.02	0.16
99V8308	Tank V-8308 - IBAP	VOC	0.13	0.01
99V8408	Tank V-8408 - IBAP	VOC	0.01	0.01
99V8409	Tank V-8409 - IBAP	VOC	0.01	0.01
99V8507	Tank V-8507	VOC	1.20	0.50

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99V8508	Tank V-8508 - IBPE Surge Tank	VOC	0.12	0.04
99V8600	Tank V-8600 - IBPE Preheat Tank	VOC	0.01	0.01
99V8797	Tank V-8797 - IBU Rework Vessel	VOC	0.10	0.01
99IBUFUG	Ibuprofen Unit Process Fugitive Emissions (4)	AcF	0.01	0.01
		CO	0.27	1.17
		HCl0.01	0.05	
		HF	0.04	0.16
		VOC (excluding AcF)	0.23	0.95

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources use area name or fugitive source name.

(3) AcF - acetyl fluoride (CH₃COF)

CO - carbon monoxide

HCl - hydrogen chloride

HF - hydrogen fluoride

NO_x - total oxides of nitrogen

PM₁₀ - particulate matter equal to or less than 10 microns in diameter

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52

** Compliance with annual emission limits is based on a rolling 12-month period.

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			<u>lb/hr</u>	<u>TPY**</u>

Dated April 24, 2007