

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 50877

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**
PPVENT1	Pilot Plant Process Vent Header Exhaust	VOC	5.71	0.38
		SO ₂	0.09	0.01
		H ₂ S	0.01	
PPVENT2	Pilot Plant Rose Process Vent	VOC	4.60	1.15
PPVENT3	Pilot Plant Rose Process Floorsweep Vent	VOC	0.40	1.25
BOILERS	Boiler Exhaust Stack	NO _x	0.50	2.19
		CO	0.42	1.84
		VOC	0.04	0.17
		SO ₂	0.02	0.08
		PM	0.04	0.17
PPLTBG	Big Baghouse	PM	0.86	3.75
PPBLG	Pilot Plant Building Exhaust Fan	CO	0.38	1.66
		VOC	2.40	1.79
		PM	0.08	0.34
FLARE-1	Facility Flare	NO _x	1.21	1.49
		CO	10.39	12.11
		VOC	9.91	10.14
		SO ₂	0.95	0.43
		PM	0.01	0.01
APIVent	API Vent	VOC	0.04	0.01
USEDTNK	Used Process Oil Tank Vent	VOC	0.32	0.02
DIESEL	Diesel Tank Relief Valve	VOC	0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
COMPEXH	Compressor Engine Exhaust	NO _x	6.90	0.25
		CO	1.50	0.05
		VOC	0.55	0.02
		SO ₂	0.46	0.02
		PM	0.49	0.02
APIFUG	API Fugitives (4)	VOC	0.01	0.01
USEDTNKFUG	Used Process Oil Tank Fugitives (4)	VOC	0.05	0.20
HORZTNKFUG	Horizontal Tank Fugitives (4)	VOC	0.03	0.15
FLAREFUG	Facility Flare Header Fugitives (4)		VOC	0.05
		0.22		

(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 an 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 - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall

be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

H₂S - hydrogen sulfide

(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 __Days/week __Weeks/year or 8,760 Hrs/year

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY**</u>

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

Dated February 28, 2003