

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 51771

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**
EPN1	Unit No. 1 Reformer Combustion Stack	NO _x	16.04	-
		NO _x (MSS) (5)	50.05	-
		NO _x (annual)	-	35.1
		CO	10.77	23.6
		VOC	1.49	3.3
		SO ₂	0.22	1.0
		PM ₁₀	8.54	37.4
		NH ₃	4.39	19.2

The following three sources are subject to an annual emission cap.

EPN3	Unit No. 1 Deaerator Vent	CO	2.31	-
		VOC	2.27	-
		NH ₃	1.82	-
EPN12	PCRU Vent	VOC	13.27	-
		NH ₃	9.64	-
EPN13	Steam Vent	VOC	8.90	-
		NH ₃	7.13	-
EPN3, EPN12, EPN13	Annual Cap	CO	-	0.8
		VOC	-	4.5
		NH ₃	-	3.5
EPN5	Process Flare	NO _x	101.11	11.4
		CO	638.64	33.8
EPN7	Cooling Tower	VOC	0.01	<0.1
		PM ₁₀	0.04	0.2

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EPN8	Process Fugitive Emissions(4)	VOC	0.02	0.2
		NH ₃	0.05	0.4
EPN10	D-300 PCRU Condensate Suction Drum	CO	0.97	4.3
EPN14	Oily Water Separator	VOC	0.01	<0.1
EPN15	Sulfuric Acid Tank	H ₂ SO ₄	0.01	<0.1
EPN16	Degreasing Unit	VOC	0.08	0.3
EPN17	Diesel Tank	VOC	0.02	<0.1

- (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
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
CO - carbon monoxide
H₂SO₄ - sulfuric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) MSS - Maintenance, Startup, and Shutdown

* 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

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

Date April 24, 2007