

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	10.84	23.73
		CO	7.28	15.93
		VOC	1.01	2.20
		SO ₂	0.07	0.31
		PM ₁₀	5.88	25.74
		NH ₃	3.82	16.73
EPN2	Unit No. 2 Reformer Combustion Stack	NO _x	10.84	23.73
		CO	7.28	15.93
		VOC	1.01	2.20
		SO ₂	0.07	0.31
		PM ₁₀	5.88	25.74
		NH ₃	3.82	16.73
EPN3	Unit No. 1 Deaerator Vent	CO	2.10	0.46
		VOC	1.10	0.24
		NH ₃	0.16	
EPN4	Unit No. 2 Deaerator Vent	CO	2.10	0.46
		VOC	1.10	0.24
		NH ₃	0.74	0.16
EPN7	Cooling Tower	VOC	0.01	0.04
EPN10	Unit No. 1 PCRU Vent	CO	0.88	3.85
EPN11	Unit No. 2 PCRU Vent	CO	0.88	3.85

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY**
EPN5, EPN6	Process Flares	NO _x	86.54	46.61
		CO	638.65	54.06
EPN8	South Block	VOC	0.08	-
	Fugitive Emissions (4)	NH ₃	0.06	-
EPN9	North Block	VOC	0.08	-
	Fugitive Emissions (4)	NH ₃	0.06	-
EPN8, EPN9	South Block and North Block	VOC	-	0.66
	Fugitive Emissions (4)	NH ₃	-	0.49

- (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) PM₁₀ - particulate matter (PM) 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.
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 CO - carbon monoxide
 NH₃ - ammonia
- (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 ____ Hrs/year 8,760

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

Dated March 21, 2003