

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

17921

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
EY040ST	East Cyclone	PM ₁₀	1.70	0.14
		PM	3.12	0.25
		CO	112.96	8.82
EY041ST	West Cyclone	PM ₁₀	3.10	0.15
		PM	5.72	0.30
		CO	207.00	10.87
EY022ST	East Stack (Crackers 1-7)	PM ₁₀	1.05	4.34
		CO	6.93	28.56
		SO ₂	0.126	0.518
		NO _x	27.93	115.01
		VOC	0.63	2.59
EY023ST	West Stack (Crackers 8-12)	PM ₁₀	1.31	5.39
		CO	8.59	35.35
		SO ₂	0.156	0.644
		NO _x	34.59	142.42
		VOC	0.79	3.26
FU-1	Fugitives (4)	VOC	8.72	38.19
REGEN-2	Glycol Regenerator	VOC	0.40	1.80
FEY005FE	Propane Loading Fugitives (4)	VOC	0.064	0.279
		EtSH	<0.01	<0.01
ST101FL **	Styrene Flare	SO ₂	<0.01	<0.01
		NO _x	<0.01	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

CO	<0.01	<0.01
VOC	0.269	0.118
EtSH	<0.01	<0.01

- (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 General Rule 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
PM - particulate matter
PM₁₀ - particulate matter less than 10 microns
SO₂ - sulfur dioxide
EtSH - ethyl mercaptan
- (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 Hrs/year 8,760

** EPN ST101FL is permitted in TACB Permit No. 5611. These emissions represent new and increased emissions only as a result of propane loading arm purging from facilities represented in this permit.

Revised_____