

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 83193 and PSDTX1104

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
BLR	Steam Boiler (7)	CO	0.34	1.36
		NO _x	0.41	1.62
		PM ₁₀	0.03	0.12
		SO ₂ (5)	0.01	0.05
		VOC	0.02	0.09
TGI	Tail Gas Incinerator Unit	CO	2.22	9.73
		H ₂ S	0.04	0.17
		NO _x	0.58	2.56
		PM ₁₀	0.02	0.11
		SO ₂ (5)	81.58	323.13
		VOC	0.06	0.24
SRUFUG	SRU Piping Fugitives (4)	H ₂ S	0.26	1.13
		VOC	0.01	0.07
SLR	Sulfur Truck Loading Rack	H ₂ S	0.09	0.02
Planned Maintenance, Startup, and Shutdown				
TGI	Tail Gas Incinerator Unit	CO	0.50	0.06
		NO _x	0.10	0.01
		PM ₁₀	0.01	0.01
		SO ₂ (5)	666.7	4.00
		VOC	0.01	0.01
FLR1	Flare - Full SRU Planned Shutdown	CO	2.52	0.06
		H ₂ S	6.01	0.14
		NO _x	0.46	0.01
		SO ₂ (5)	554.0	13.32
		VOC	0.23	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

FLR1	Flare - SRU Hot Stand-by	CO	78.82	1.59
		NO _x	14.49	0.29
		H ₂ S	13.67	0.27
		SO ₂ (5)	1,261	25.50
		VOC	0.30	0.01
BLR	Steam Boiler (6)	CO	0.34	0.13
		NO _x	0.41	0.15
		PM ₁₀	0.03	0.01
		SO ₂ (5)	0.01	0.01
		VOC	0.02	0.01
SRUFUGMS	SRU Vent to Atmosphere	SO ₂ (5)	0.03	0.01

- (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) CO - carbon monoxide
H₂S - hydrogen sulfide
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
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.
- (5) Prevention of significant deterioration (PSD) pollutant
- (6) A maximum of 30 days of operation
- (7) Limited at an average 12-month rolling firing rate of 33,590 MMBtu per year

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

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

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

Dated January 11, 2010