

## 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)	Emission Rates *	
			lb/hr	TPY**
BLR	Steam Boiler (7)	SO <sub>2</sub> (5)	0.01	0.01
		NO <sub>x</sub>	0.11	0.43
		CO	0.09	0.35
		VOC	0.01	0.02
		PM <sub>10</sub>	0.01	0.03
TGU	Tail Gas Incinerator Unit	CO	2.22	9.73
		H <sub>2</sub> S	0.04	0.17
		NO <sub>x</sub>	0.58	2.56
		PM <sub>10</sub>	0.06	0.24
		SO <sub>2</sub> (5)	72.58	317.90
		VOC	0.04	0.18
SRUFUG	SRU Piping Fugitives (4)	H <sub>2</sub> S	0.26	1.13
		VOC	0.01	0.07
SLR	Sulfur Truck Loading Rack	H <sub>2</sub> S	0.09	0.02
<b>Planned Maintenance, Startup, and Shutdown</b>				
TGU	Tail Gas Incinerator Unit	SO <sub>2</sub> (5)	666.7	4.00
		NO <sub>x</sub>	0.10	0.01
		CO	0.50	0.06
		VOC	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
FLR1	Flare - Full SRU Planned Shutdown	H <sub>2</sub> S	6.01	0.14
		SO <sub>2</sub> (5)	554.0	13.32
		NO <sub>x</sub>	0.46	0.01
		CO	2.52	0.06
		VOC	0.23	0.01

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FLR1	Flare - SRU Hot Stand-by	H <sub>2</sub> S	13.67	0.27
		SO <sub>2</sub> (5)	1261.00	25.50
		NO <sub>x</sub>	14.49	0.29
		CO	78.82	1.59
		VOC	0.30	0.01
BLR	Steam Boiler (6)	SO <sub>2</sub> (5)	0.01	0.01
		NO <sub>x</sub>	0.41	0.15
		CO	0.34	0.13
		VOC	0.02	0.01
		PM <sub>10</sub>	0.03	0.01
SRUFUGMS	SRU Vent to Atmosphere	SO <sub>2</sub> (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  
H<sub>2</sub>S - hydrogen sulfide  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - particulate matter of 10 microns and smaller  
SO<sub>2</sub> - 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 pollutant
- (6) A maximum of 30 days of operation
- (7) A maximum of 330 days of operation

\* 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.