

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56431

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 Rates *	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr TPY**	
FLRN-1 (4)	Main Plant Flare (Pilot Fuel Only)	CO	0.17	0.74
		NO _x	0.09	0.37
		SO ₂	0.01	0.37
		VOC	0.01	0.38
	(Normal Process Operations)	CO	50.50	
		H ₂ S	0.01	
		NO _x	25.30	
		SO ₂	7.99	
		VOC	130.96	
	(Planned Startup, Shutdown, and Maintenance Operation)	CO	108.90	
		NO _x	54.47	
		SO ₂	0.01	
		VOC	284.15	
FLR-N (4)	North Plant Flare (Pilot Fuel Only)	CO	0.42	1.84
		NO _x	0.21	0.93
		SO ₂	0.01	0.01
		VOC	0.02	0.07
	(Normal Process Operations)	CO	50.50	
		H ₂ S	0.01	
		NO _x	25.30	
		SO ₂	7.99	
		VOC	130.96	

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FLR-N (4)	(Planned Startup, Shutdown, and Maintenance Operation)	CO	108.90	
		NO _x	54.47	
		SO ₂	0.01	
		VOC	284.15	
FLR-S (4)	South Plant Flare (Pilot Fuel Only)	CO	0.42	1.84
		NO _x	0.21	0.93
		SO ₂	0.01	0.01
		VOC	0.02	0.07
	(Normal Process Operations)	CO	50.50	
		H ₂ S	0.01	
		NO _x	25.30	
		SO ₂	7.99	
		VOC	130.96	
	(Planned Startup, Shutdown, and Maintenance Operation)	CO	108.90	
		NO _x	54.47	
		SO ₂	0.01	
		VOC	284.15	
FLR-1NSCAP	Normal Process Operation (5)	CO		39.96
		H ₂ S		0.01
		NO _x		20.03
		SO ₂		17.49
		VOC		100.73
FLR-1NSCAP	(Planned Startup, Shutdown, and Maintenance Operation) (5)	CO		10.76
		NO _x	5.40	
		SO ₂		0.01
		VOC		28.00

- (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
SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1

- (4) Maximum emissions can be emitted from a combination of two of the three flares.
- (5) Annual emission cap from main plant flare, the north flare and the south flare for this method 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.

2011

Dated January 4,