

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80052

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 **
176-1	Unit 176 No. 1 Flare - Pilot Fuel Only	VOC	0.01	0.04
		CO	0.89	3.92
		NO _x	0.10	0.46
		SO ₂	0.01	0.01
176-2	Unit 176 No. 2 Flare - Pilot Fuel Only	VOC	0.01	0.04
		CO	0.89	3.92
		NO _x	0.10	0.46
		SO ₂	0.01	0.01
178-1	Unit 178 No. 1 Flare - Pilot Fuel Only	VOC	0.02	0.09
		CO	2.09	9.14
		NO _x	0.24	1.07
		SO ₂	0.01	0.01
178-2	Unit 178 No. 2 Flare - Pilot Fuel Only	VOC	0.02	0.09
		CO	2.09	9.14
		NO _x	0.24	1.07
		SO ₂	0.01	0.01
FUG178	Unit 178 Fugitives (4)	VOC	3.95	17.31
		H ₂ S	0.07	0.33
Heater H-3	Unit 178 Heater No. 3	VOC	0.18	0.81
		CO	2.82	12.37
		NO _x	3.36	14.73
		PM ₁₀	0.26	1.12
		H ₂ S	0.01	0.01
		SO ₂	0.02	0.09

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
Heater H-4	Unit 178 Heater No. 4	VOC	0.15	0.64
		CO	2.22	9.74
		NO _x	2.65	11.59
		PM ₁₀	0.20	0.88
		H ₂ S	0.01	
		SO ₂	0.02	0.07

- (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 Title 30 Texas Administrative Code § 101.1
CO - carbon monoxide
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.
- H₂S - hydrogen sulfide
SO₂ - sulfur dioxide
- (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:

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

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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY **</u>

Dated March 28, 2007