

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

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Permit Number 8621

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.

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Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY **
1	Eng-201	NO _x	10.9	47.8
		CO	10.9	47.8
		VOC	2.7	11.9
		PM 0.12	0.52	
		SO ₂ 0.01	0.04	
2	Eng-203	NO _x	10.9	47.8
		CO	10.9	47.8
		VOC	2.7	11.9
		PM	0.12	0.53
		SO ₂ 0.01	0.04	
5	Eng-208	NO _x	6.8	29.7
		CO	6.8	29.7
		VOC	0.3	1.2
		PM	0.10	0.46
		SO ₂ 0.01	0.02	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
6	Eng-210	NO _x	6.8	29.7
		CO	6.8	29.7
		VOC	0.3	1.2
		PM	0.10	0.46
		SO ₂ 0.01	0.02	
9	Eng-212	NO _x	8.8	38.6
		CO	13.2	57.9
		VOC	3.3	14.5
		PM	0.14	0.62
		SO ₂ 0.01	0.05	
11	Eng-214	NO _x	2.4	10.6
		CO	3.6	15.9
		VOC	1.2	5.3
		PM	0.08	0.37
		SO ₂ 0.01	0.01	
13	Eng-216	NO _x	8.8	38.6
		CO	13.2	57.9
		VOC	1.45	6.37
		PM	0.14	0.62
		SO ₂ 0.01	0.05	
12	Eng-218	NO _x	2.6	11.6
		CO	3.96	17.4
		VOC	1.32	5.79
		PM	0.10	0.45
		SO ₂ 0.01	0.02	
15	C-11	NO _x	3.5	15.4
		CO	5.3	23.2
		VOC	1.8	7.7
		PM	0.14	0.60
		SO ₂ 0.01	0.02	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
4A	Acid Gas Flare	NO _x	27.1	1.8
		CO	108.3	7.1
		VOC	57.56	6.98
		SO ₂	3.1	12.4
		H ₂ S	0.03	0.12
4B	Emergency Flare	NO _x	50.5	1.3
		CO	201	5.0
		VOC	105	2.6
		SO ₂	0.54	0.01
8	Glycol Reboiler	NO _x	0.02	0.07
		CO	0.01	0.06
		VOC	0.01	0.01
		PM	0.01	0.01
		SO ₂	0.01	0.01
Heater-2R	Amine Reboiler	NO _x	0.27	1.2
		CO	0.23	1.0
		VOC	0.02	0.07
		PM	0.02	0.09
		SO ₂	0.01	0.01
Fugitives1	Plant Non-KKK Fugitives ⁽⁴⁾	VOC	0.33	1.46
Fugitives2	Plant KKK Fugitives ⁽⁴⁾	VOC	1.45	6.31

(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) NO_x - total oxides of nitrogen

CO - carbon monoxide

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

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

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PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

SO₂ - sulfur dioxide

H₂S - hydrogen sulfide

(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 8,760 Hrs/year

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

Dated _____