

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8418

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**
6	1½ - 501KC Allison Turbines With 10 MMBtu/hr Duct Burner	PM ₁₀	0.43	1.90
		VOC	0.17	0.75
		NO _x	39.30	138.30
		SO ₂	1.06	0.53
		CO	5.17	22.60
7	1½ - 501KC Allison Turbines With 10 MMBtu/hr Duct Burner	PM ₁₀	0.43	1.90
		VOC	0.17	0.75
		NO _x	39.30	138.30
		SO ₂	1.06	0.53
		CO	5.17	22.60
8	1½ - 501KC Allison Turbines With 10 MMBtu/hr Duct Burner	PM ₁₀	0.43	1.90
		VOC	0.17	0.75
		NO _x	39.30	138.30
		SO ₂	1.06	0.53
		CO	5.17	22.60
9	1½ - 501KC Allison Turbines With 10 MMBtu/hr Duct Burner	PM ₁₀	0.43	1.90
		VOC	0.17	0.75
		NO _x	39.30	138.30
		SO ₂	1.06	0.53
		CO	5.17	22.60
14	501KC Allison Turbine With Water Injection	PM ₁₀	0.18	0.81
		VOC	0.80	3.50
		NO _x	7.00	30.66
		SO ₂	0.65	0.30
		CO	4.50	19.71

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY**
15	501KC Allison Turbine With Water Injection	PM ₁₀	0.18	0.81
		VOC	0.80	3.50
		NO _x	7.00	30.66
		SO ₂	0.65	0.30
		CO	4.50	19.71
F2	Butamer Units I, II Fugitives (4)	VOC	2.44	10.70
F4	Deisobutanizer Units I, II Fugitives (4)	VOC	1.91	8.35
F22	600 Deisobutanizer Unit Fugitives (4)	VOC	0.09	0.41
F28	1200 Deisobutanizer Unit Fugitives (4)	VOC	0.12	0.52
FL-1	Main Flare Contribution	NO _x	2.00	8.70
		CO	4.00	17.40
		VOC	5.30	23.20
		SO ₂	0.02	0.10

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) PM₁₀ - particulate matter (PM) 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.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

_____ Hrs/day _____ Days/week _____ Weeks/year or 8,760 Hrs/year

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

Dated December 20, 2004