

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3962

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	Source	Air Contaminant	<u>Emission Rates *</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
G-D-0	Flare	VOC	0.04	0.01
		NO _x	1.66	0.71
		CO	8.48	3.62
		PM ₁₀	<0.01	<0.01
		HCl	0.07	0.05
G-D-1	Flare (5)	VOC	7.89	10.42
		NO _x	0.46	1.53
		CO	2.35	7.80
G-G-8A, B	T-5144 Vent	VOC	1.27	0.41
G-H-8	Vent	VOC	0.03	<0.05
T-A-0	LS-17 Vent	VOC	0.22	0.65
T-A-1	LS-16 Vent	VOC	0.78	0.19

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
T-A-5	LS-23 Vent	VOC	<0.001	<0.01
T-A-6	LS-24 Vent	VOC	0.78	0.30
T-A-7	LS-23 Water Contactor Vent	VOC	0.01	0.01
T-B-0	Cooling Tower (4)	VOC	0.21	0.88
T-C-0	Furnace	CO	1.08	4.32
		CH ₄	0.10	0.37
		NO _x	4.30	17.17
		PM ₁₀	0.09	0.38
		SO ₂	0.02	0.07
		VOC	0.09	0.34
T-G-2	T-6141 Vent	VOC	0.02	0.07
T-G-3	T-6142 Vent	VOC	0.02	0.07
T-G-4	T-6143 Vent	VOC	0.04	0.07
T-G-5	T-6144 Vent	VOC	0.99	0.38
T-G-6	T-6151 Vent	VOC	0.47	0.17
T-G-7	T-6152 Water Contactor Vent	VOC	1.08	0.29
		NH ₃	0.11	0.03
T-G-9	D-6149	VOC	0.25	1.00
T-H-2	T-6149 Water Contactor Vent	VOC	<0.01	0.02
T-H-3	T-6147 Vent	VOC	0.04	0.03
T-H-6	T-6148 Vent	VOC	0.23	0.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
T-H-8	T-6331 Vent	VOC	2.29	0.19
T-I-1	Vent	VOC	<0.001	<0.001
T-K-5	T-6110 Water Contactor Vent	VOC	1.08	0.29
		NH ₃	0.11	0.03
T-K-8	T-6114 Vent	VOC	<0.01	<0.01
T-GZ-0	Fugitives (4)	VOC	0.48	1.98
T-GZ-2	Fugitives (4)	VOC	0.45	1.92

(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 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

HCl - hydrogen Chloride

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.

CO - carbon monoxide

NH₃ - ammonia

CH₄ - methyl bromide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Flare permitted under Permit No. C-69A. Only emissions from facilities permitted under Permit No. 3962 are shown here.

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

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
Hrs/day _____ Days/week _____ Weeks/year _____ or Hrs/year <u>8,760</u>				

Dated April 30, 2001