

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6235A

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
B-1	Boiler No. 1 (21 MMBtu/hr)	VOC	0.11	0.50
		NO _x	2.07	9.08
		SO ₂	0.01	0.05
		CO	1.74	7.63
		PM	0.16	0.69
BH-1	Baghouse	PM ₁₀	<0.01	<0.01
CON-1	Condenser Vent	VOC	0.41	0.27
CT-1	Cooling Tower 1	VOC	<0.01	<0.01
CT-2	Cooling Tower 2	VOC	<0.01	<0.01
D-1-TOTAL	Drumming Losses	VOC	9.62	1.08
F-1	Process Flare	VOC	0.63	0.44
		NO _x	0.07	0.17
		SO _x	0.01	0.05
		CO	0.88	2.25
F-2	Oxides Flare (6)	VOC (5)	0.94	0.91
		Ethylene Oxide	0.93	0.66
		Propylene Oxide	0.45	0.24
		NO _x	0.09	0.16
		SO _x	0.01	0.03
		CO	1.23	2.11

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FE-1	Fire Water Pump Engine	NO _x	1.16	0.03
		CO	0.25	0.01
		SO _x	0.08	0.01
		PM ₁₀	0.08	0.01
FU-1	Fugitives (4)	VOC	2.25	9.85
H-1	Dowtherm Heater (4 MMBtu/hr)	VOC	0.02	0.10
		NO _x	0.4	1.73
		SO _x	<0.01	0.01
		CO	0.33	1.45
		PM	0.03	0.13
H-2	Hot Oil Heater (8 MMBtu/hr)	VOC	0.04	0.19
		NO _x	1.40	6.13
		SO _x	0.01	0.02
		CO	0.66	2.91
		PM	0.06	0.26
L-1	Loading Losses	VOC	35.60	1.4
ST-TOTAL	Storage Tanks	VOC	4.05	0.31
VRD-1	Vapor Recovery Device	NH ₃	0.1	0.02
WW-1	Wastewater Storage Tank	VOC	0.03	<0.01
X-105	Process Sump	VOC	0.02	0.10

(1) Emission point identification - either specific equipment designation or emission point number

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			lb/hr	TPY

from a plot plan.

- (2) Specific point source names. For fugitive sources use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO_x - total oxides of sulfur
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀
 - 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.
 - NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Includes ethylene oxide and propylene oxide emissions
- (6) The emissions authorized for the Oxides Flare, F-2, may be emitted from either the Oxides Flare, F-2, or from the Process Flare, F-1.

* Emission rates are based on the following operating schedule:

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

Dated July 9, 2004