

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 <sub>x</sub>	2.07	9.08
		SO <sub>2</sub>	0.01	0.05
		CO	1.74	7.63
		PM	0.16	0.69
BH-1	Baghouse	PM <sub>10</sub>	<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 <sub>x</sub>	0.07	0.17
		SO <sub>x</sub>	0.01	0.05
		CO	0.88	2.25
F-2	Oxides Flare	VOC (5)	0.94	0.91
		Ethylene Oxide	0.93	0.66
		Propylene Oxide	0.45	0.24
		NO <sub>x</sub>	0.09	0.16
		SO <sub>x</sub>	0.01	0.03
		CO	1.23	2.11

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## AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
FE-1	Fire Water Pump Engine	NO <sub>x</sub>	1.16	0.03
		CO	0.25	0.01
		SO <sub>x</sub>	0.08	0.01
		PM <sub>10</sub>	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 <sub>x</sub>	0.4	1.73
		SO <sub>x</sub>	<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 <sub>x</sub>	1.40	6.13
		SO <sub>x</sub>	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 <sub>3</sub>	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 from a plot plan.

(2) Specific point source names. For fugitive sources use an area name or fugitive source name.

Permit No. 6235A

Page 3

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- (3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>x</sub> - total oxides of sulfur  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
PM<sub>10</sub> - 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.  
NH<sub>3</sub> - 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

\* Emission rates are based on the following operating schedule:

\_\_\_\_\_ Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year or 8,760 Hrs/year

Dated \_\_\_\_\_