

# 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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY**</u>
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>	0.31	1.36
		CO	1.74	7.63
		PM <sub>10</sub>	0.16	0.69
BH-1	Baghouse	PM <sub>10</sub>	0.01	0.01
CON-1	Condenser Vent	VOC	0.41	0.27
D-1-TOTAL	Drumming Losses	VOC	4.19	1.08
F-1/F-2	Process and Oxides Flares	VOC (5)	1.60	1.21
		NO <sub>x</sub>	0.43	1.66
		SO <sub>2</sub>	0.03	0.13
		CO	2.93	9.56
		Ethylene Oxide	0.93	0.66
		Propylene Oxide	0.45	0.24
FU-1	Fugitives (4)	VOC	1.53	6.71
H-1	Dowtherm Heater (4 MMBtu/hr)	VOC	0.02	0.10
		NO <sub>x</sub>	0.4	1.73
		SO <sub>2</sub>	0.06	0.26
		CO	0.33	1.45
		PM <sub>10</sub>	0.03	0.13
H-2	Hot Oil Heater (10.1 MMBtu/hr)	VOC	0.05	0.24
		NO <sub>x</sub>	1.39	6.10
		SO <sub>2</sub>	0.15	0.65
		CO	0.83	3.64
		PM <sub>10</sub>	0.08	0.33
L-1	Loading Losses	VOC	10.47	1.4

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ST-TOTAL	Storage Tanks	VOC	4.03	0.3
VRD-1	Vapor Recovery Device	NH <sub>3</sub>	0.1	0.02
WW-1	Wastewater Storage Tank	VOC	0.01	0.03
X-105	Process Sump	VOC	0.02	0.10

PLANNED MAINTENANCE, START-UP, AND SHUTDOWN EMISSIONS

FE-1	Fire Water Pump Engine CO	VOC	0.54	0.01
		NO <sub>x</sub>	6.67	0.09
		1.44	0.02	
		SO <sub>2</sub>	0.45	0.01
		PM <sub>10</sub>	0.47	0.01

- (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.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
PM<sub>10</sub> - particulate matter, equal to or less than 10 microns in diameter.  
NH<sub>3</sub> - ammonia
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (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

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

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			lb/hr	TPY**

Dated August 9, 2007