

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 37978/N009

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**
BOIL-Y1801	Start Up Boiler	NO _x	8.06	8.76
		SO ₂	2.57	2.80
		CO	15.00	8.15
		PM/PM ₁₀	1.40	1.53
		VOC	1.01	1.10
CTWR-1701	Cooling Tower	PM/PM ₁₀	0.12	0.53
		VOC	1.26	5.52
LOAD-FUG	Tank Truck Loading Losses	VOC	0.06	0.05
		Organic HAPs	0.06	0.05
OS-FUGSTOR	Storage Fugitives (4)	VOC	0.33	1.43
		Organic HAPs	0.17	0.75
OS-FUGLOAD	Loading Area Fugitives (4)	VOC	0.06	0.25
		Organic HAPs	<0.01	<0.01
OS-CHILL	Chiller Systems	Refrigerant	<0.01	<0.01
V-1609	H ₂ SO ₄ Tank	H ₂ SO ₄	<0.01	<0.01
TK1614	Neutralization Tank	H ₂ SO ₄	<0.01	<0.01
THOX-Y1907	OSBL Thermal Oxidizer	NO _x	1.00	4.38
		SO ₂	3.46	15.16
		CO	1.10	4.82
		PM/PM ₁₀	1.23	5.39
		VOC	0.23	0.99
		Organic HAPs	0.11	0.43

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			lb/hr	TPY**
FIRE-PUMPS	Firewater Pumps	NO _x	23.25	2.56
		CO	5.01	0.55
		SO ₂	1.54	0.17
		PM	1.65	0.18
		VOC	1.89	0.21
DIESEL-TNK	Diesel Fuel Storage Tanks	VOC	0.02	<0.01

- (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
 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.
 CO - carbon monoxide
 H₂SO₄ - sulfuric acid
 HAP - hazardous air pollutants
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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.

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

Dated August 30, 2001