

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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	2.79	3.88
		CO	15.92	11.10
		PM/PM ₁₀	1.51	2.11
		VOC	1.09	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-FUG	Fugitives (4)	VOC	0.70	3.03
		HAPs	0.46	1.99
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
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
GAS-TK	Gasoline Storage Tank	VOC	4.15	0.02
DIESEL-TK2	Diesel Storage Tank	VOC	0.74	0.02
LUBE-TK	Lube Oil Storage Tank	VOC	0.14	0.01
TK-1703	Tank 1703	VOC	0.09	0.01
DEGREASE-1	Degreaser	VOC	0.01	0.01
WASH-PAD	Wash Pad	VOC	0.26	0.12
		Organic HAPs	0.26	0.12

- (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 Title 30 Texas Administrative Code § 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 PM 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.

Dated September 15, 2006