

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Flexible Permit Number 74272

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**

HOURLY EMISSION RATE FOR HTF HEATERS - COMBINED CAP

HTR1, HTR2, HTR3, and HTR4	HTF Heaters No. 1 - No. 4	NO _x	9.90	-
	Heat Transfer Fluid Heaters	CO (6)	34.64	-
	227 MMBtu/hr	VOC	5.32	-
	Combined Cap	SO ₂	13.56	-
		PM ₁₀	7.37	-
		NH ₃	6.23	-

HOURLY EMISSION RATE FOR EMERGENCY EQUIPMENT DIESEL ENGINES - COMBINED CAP

2 SEAWATER FIRE PUMPS AND 1 EMERGENCY GENERATOR

FIRE1 and FIRE2 and GEN (4)	Diesel Seawater Fire Pumps	NO _x	103.69	-
	approximately 600-hp each	CO	23.21	-
	Diesel Emergency Generator Engine	VOC	5.15	-
	approximately 1,800 kW (2500hp)	SO ₂	13.32	-
		PM ₁₀	4.72	-

HOURLY EMISSION RATE FOR TANKS AND FUGITIVES - CAPS

TANK1, TANK2, TANK3, and TANK4	Diesel Storage Tanks Combined Emissions	VOC	<0.01	-
FUG (5)	Fugitives	VOC	0.20	-
NH3FUG (5)	Ammonia Fugitives	NH ₃	0.21	-

ANNUAL EMISSION RATE CAP FOR ALL SOURCES

All Sources Combined Includes 9 percent Insignificant Factor		NO _x	-	48.5
		CO (6)	-	66.2
		VOC	-	24.5
		SO ₂	-	4.3
		PM ₁₀	-	32.5

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NH₃ - 28.1

- (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_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
CO - carbon monoxide
NH₃ - ammonia
- (4) Emission rates are based on 100 hours per year (hrs/yr) each for EPNs FIRE1, FIRE2, and GEN for maintenance and testing.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) HTF Heater CO hourly rate based on 0.035 lb/MMBtu and annual based on 0.015 lb/MMBtu.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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

_____Hrs/day ___Days/week ___Weeks/year or 8,760 Hrs/year

Dated July 14, 2005