

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 74398

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 1	NO _x	0.49	2.15
		CO	0.41	1.80
		VOC	0.03	0.12
		SO ₂	0.01	
		PM ₁₀	0.04	
B-2	Boiler 2	NO _x	1.18	5.15
		CO	0.99	4.33
		VOC	0.06	0.28
		SO ₂	0.01	
		PM ₁₀	0.09	
H-1	Heater 1	NO _x	1.96	8.59
		CO	1.65	7.21
		VOC	0.11	0.47
		SO ₂	0.01	
		PM ₁₀	0.15	
H-2	Heater 2	NO _x	2.45	10.74
		CO	2.06	9.02
		VOC	0.13	0.59
		SO ₂	0.01	
		PM ₁₀	0.19	
H-3	Heater 3	NO _x	1.18	5.15
		CO	0.99	4.33
		VOC	0.06	0.28
		SO ₂	0.01	
		PM ₁₀	0.09	

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			lb/hr	TPY**
FLR-1	Flare	NO _x	20.12	4.87
		CO	51.06	12.36
		VOC	159.23	17.12
		SO ₂ 0.01	0.01	
F-1	Fugitives (4)	VOC	1.55	6.81
TT-W	West Tank Truck Loading	VOC	26.01	(5)
		NaOH 0.01	(5)	
		H ₂ SO ₄ 0.01	(5)	
TT-E	East Tank Truck Loading	VOC	6.50	(5)
		NaOH 0.01	(5)	
		H ₂ SO ₄ 0.01	(5)	
TT-399	North Tank Truck Loading	VOC	6.50	(5)
		NaOH	0.01	(5)
		H ₂ SO ₄ 0.01	(5)	
RC-1	Rail Car Loading	VOC	13.00	(5)
		NaOH 0.01	(5)	
		H ₂ SO ₄ 0.01	(5)	
Annual Rail Car/ Tank Truck Loading Emissions		VOC		8.95
		NaOH		0.02
		H ₂ SO ₄	0.02	
Storage Tank Emission Cap (EPNs T-100, T-200, T-300, T-400, T-500, and T-600)		VOC	94.86	8.95
		NaOH	0.01	0.01
		H ₂ SO ₄	0.01	0.01
BRG-1	Barge Loading	VOC	22.76	3.78
		NaOH 0.01	0.01	
		H ₂ SO ₄ 0.01	0.01	
CT-1	Cooling Water System	VOC	1.04	4.54

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

- (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 area name or fugitive source name.
- (3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO₂ - sulfur dioxide
PM₁₀ - particulate matter (PM) 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.
NaOH - sodium hydroxide
H₂SO₄ - sulfuric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission rates subject to EPN "Annual Rail Car/Tank Truck Loading Emissions."

* 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 December 29, 2005