

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18899

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 **
907	Flare (5)	CO	84.96	1.38
		NO _x	16.68	0.28
		SO ₂	0.01	0.01
		VOC	9.83	0.25
1200	Vent Scrubber	BF ₃	0.01	0.01
		NH ₃	0.15	0.64
1201	Train A Ammonia Scrubber	NH ₃	0.15	0.64
1202	Train A Ammonia Scrubber	NH ₃	0.15	0.64
1202A	Train A Ammonia Scrubber	NH ₃	0.15	0.64
1203	Process Tank Vents	VOC	1.27	1.39
1204	Storage Tank Vents Train B	NH ₃	0.14	0.60
		VOC	0.94	1.42
1205	Heat Medium Heater Train A (5.5 MMBtu/hr heat input)	CO	0.44	1.95
		NO _x	0.53	2.32
		PM ₁₀	0.04	0.18
		SO ₂	0.06	0.26
		VOC	0.03	0.13
1206A	Centrifuge	VOC	1.98	8.67
1207	Storage Tank Vents Train A	NH ₃	0.14	0.60
		VOC	0.05	0.23

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			lb/hr	TPY **
1208	Loading Losses	VOC	8.37	0.15
1209	Train B Vent Scrubber	BF ₃	0.01	0.01
		Fluorides	0.01	0.01
		NH ₃ 0.20	0.87	
1210	Train B Ammonia Scrubber	NH ₃	0.01	0.01
1211	Train B Ammonia Scrubber	NH ₃	0.01	0.01
1213	Heat Medium Heater Train B	CO	0.67	2.92
		NO _x	0.79	3.47
		PM ₁₀	0.05	0.20
		SO ₂	0.09	0.40
		VOC 0.04	0.19	
1216	B Train Hotwells	VOC	0.05	0.22
1217	Oil/Water Separator	VOC	2.54	11.13
1206	Process Fugitives (4) Train A	BF ₃	0.06	0.25
		NH ₃	0.02	0.10
		VOC 0.87	3.81	
1212	Process Fugitives (4) Train B	BF ₃	0.06	0.27
		NH ₃	0.02	0.10
		VOC 0.69	3.01	

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			lb/hr	TPY **

- (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) CO - carbon monoxide
 BF₃ - boron trifluoride
 NH₃ - ammonia
 NO_x - total oxides of nitrogen
 PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter.
 SO₂ - sulfur dioxide
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Contributions from this permitted facility are emitted from this emission point number. The flare is listed in new source review Permit Number 5040 and operated by another company.

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

Hrs/day 24 Days/week 7 Weeks/year 52

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

Dated August 26, 2004