

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
907	Flare (6)	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	0.04	0.18
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
		SO ₂	0.06	0.26
		VOC	0.03	0.13

Emission Sources - Maximum Allowable Emission Rates

1206	Process Fugitives (4) Train A	BF ₃	0.06	0.25
		NH ₃	0.02	0.10
		VOC	0.87	3.81
1206A	Centrifuge	VOC	1.98	8.67
1207	Storage Tank Vents Train A	NH ₃	0.14	0.60
		VOC	0.05	0.23
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
1212	Process Fugitives (4) Train B	BF ₃	0.06	0.27
		NH ₃	0.02	0.10
		VOC	0.73	3.16
1213	Heat Medium Heater Train B	CO	0.67	2.92
		NO _x	0.79	3.47
		PM	0.05	0.20
		PM ₁₀	0.05	0.20
		PM _{2.5}	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 for Train B	VOC	0.50	2.38

Emission Sources - Maximum Allowable Emission Rates

- (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 - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
BF₃ - boron trifluoride
NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) 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.

Date: September 30, 2014