

Emission Sources - Maximum Allowable Emission Rates

Permit Number 36624

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)
T1	Storage Tank	Acrylonitrile	0.53	
T2	Storage Tank	Acrylonitrile	0.53	
T4	Storage Tank	Acrylonitrile	0.53	
T1, T2, and T4	Storage Tanks	Acrylonitrile	0.53	1.65
P1	Ship Loading Fugitives (5)	Acrylonitrile	0.16	0.72
P1	Ship Loading Fugitives (5)	NH ₃	0.02	0.11
P2	Storage Tank Fugitives (5)	Acrylonitrile	0.56	2.45
P3	Storage Sphere Fugitives (5)	NH ₃	0.18	0.78
P4	Barge Loading Fugitives (5)	Acrylonitrile	0.11	0.47
P4	Barge Loading Fugitives (5)	NH ₃	0.02	0.11
H1	Pipeline Heater	PM	0.05	0.22
		PM ₁₀	0.05	0.22
		PM _{2.5}	0.05	0.22
		NO _x	0.94	4.12
		CO	0.54	2.38
		SO ₂	0.01	0.02
		VOC	0.04	0.18
H2	Pipeline Heater	PM	0.05	0.22
		PM ₁₀	0.05	0.22
		PM _{2.5}	0.05	0.22
		NO _x	0.94	4.12
		CO	0.54	2.38
		SO ₂	0.01	0.02

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		VOC	0.04	0.18
H3	Pipeline Heater	PM	0.04	0.18
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
		NO _x	0.67	2.93
		CO	0.39	1.71
		SO ₂	0.01	0.01
		VOC	0.03	0.13
VC1	Vapor Combustor (6)	PM	0.13	0.14
		PM ₁₀	0.13	0.14
		PM _{2.5}	0.13	0.14
		NO _x	293.25	62.82
		CO	5.04	5.62
		Acrylonitrile	0.84	0.18
		SO ₂	0.22	0.24
EF1	Emergency Flare (pilot gas emissions)	NO _x	0.07	0.31
		CO	0.14	0.61
		SO ₂	0.01	0.04

- (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
 CO - carbon monoxide
 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) Emissions are based on 1,850 hr/yr loading plus 600 hr/yr start-up and shutdown.

Date: March 16, 2018