

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9203

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)
ST-11	Phase II (TK) Stack	VOC	0.78	3.36
		NO _x	10.32	18.84
		SO ₂	0.02	0.12
		PM	0.77	3.40
		PM ₁₀	0.77	3.40
		PM _{2.5}	0.77	3.40
		CO	12.68	24.20
		NH ₃	10.60	25.53
ST-14	Phase II (TK) Stack (Baghouse)	VOC	0.05	0.22
		NO _x	0.36	1.58
		SO ₂	0.01	0.03
		PM	0.93	3.51
		PM ₁₀	0.93	3.51
		PM _{2.5}	0.93	3.51
		CO	0.74	3.24
ST-18B	Grinder Blower Vent	PM	0.01	0.04
		PM ₁₀	0.01	0.04
		PM _{2.5}	0.01	0.04

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ST-19	VK Stack	NO _x	1.12	4.91
		CO	11.66	51.07
		VOC	0.05	0.22
		PM	0.87	3.81
		PM ₁₀	0.87	3.81
		PM _{2.5}	0.87	3.81
		SO ₂	1.02	4.47
		H ₂ SO ₄	1.56	6.83
ST-20	VK Dust Collection System	PM	1.11	0.90
		PM ₁₀	1.11	0.90
		PM _{2.5}	1.11	0.90
ST-23	Silo S-2402	PM	0.09	0.23
		PM ₁₀	0.09	0.23
		PM _{2.5}	0.09	0.23
C-T-1	Fugitives, East Tank Farm (5)	NH ₃	0.01	0.04
		VOC	0.34	1.50
C-T-2	Fugitives, West Tank Farm (5)	NH ₃	0.02	0.09
C-T-3	H ₂ O ₂ Fugitives (5)	H ₂ O ₂	0.01	0.04
TKFUG	TK Production Building Fugitives (5)	VOC	0.04	0.19
		NH ₃	0.58	1.28
		PM	1.18	5.19
		PM ₁₀	1.18	5.19
		PM _{2.5}	1.18	5.19
VKFUG	VK Production Building Fugitives (5)	PM	0.44	1.93
		PM ₁₀	0.44	1.93
		PM _{2.5}	0.44	1.93
T-1115	H ₂ O ₂ Storage Tank	H ₂ O ₂	0.03	0.01
T-1116	Lactic Acid Storage Tank	VOC	0.04	0.01

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- (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
SO ₂	- sulfur dioxide
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- 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
NH ₃	- ammonia
H ₂ SO ₄	- sulfuric acid
H ₂ O ₂	- hydrogen peroxide
- (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.

Date: August 17, 2018