

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20487

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)
71TGINC	No. 2 SRU Incinerator Vent	CO	7.90	---
		SO ₂	12.78	---
		NO _x	0.83	---
		H ₂ S	0.07	---
		VOC	0.05	---
		PM	0.06	---
		PM ₁₀	0.06	---
		PM _{2.5}	0.06	---
69TGINC	No. 1 SRU Incinerator Vent	CO	5.30	---
		SO ₂	17.03	---
		NO _x	1.52	---
		H ₂ S	0.01	---
		VOC	0.10	---
		PM	0.14	---
		PM ₁₀	0.14	---
		PM _{2.5}	0.14	---

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	Combined No. 1 and No.2 SRU Incinerator Vents	CO	---	19.22
		SO ₂	---	92.12
		NO _x	---	5.18
		H ₂ S	---	0.26
		VOC	---	0.31
		PM	---	0.43
		PM ₁₀	---	0.43
		PM _{2.5}	---	0.43
37S2RKCBN	Railcar Loading	Sulfur Vapor	0.01	0.01
		H ₂ S	0.01	0.01
71SRU2FUG	No. 2 SRU Fugitives (5)	NH ₃	0.05	0.20
		H ₂ S	0.10	0.42
		VOC	0.01	0.03
		Sulfur Vapor	0.10	0.45
69SRU1FUG	No. 1 SRU Fugitives (5)	NH ₃	0.05	0.20
		H ₂ S	0.10	0.42
		VOC	0.01	0.03
		Sulfur Vapor	0.10	0.45
72SCOTFUG	SCOT Fugitives (5)	NH ₃	0.03	0.12
		H ₂ S	0.06	0.26
		VOC	0.16	0.70
74SWSFUG	SWS Fugitives (5)	NH ₃	0.06	0.26
		H ₂ S	0.06	0.26
		VOC	<0.01	<0.01
74TANK0001	Tank T-001	NH ₃	0.01	0.01
		H ₂ S	0.03	0.08
		VOC	0.78	0.70
74TANK0002	Tank T-002	NH ₃	0.01	0.01
		H ₂ S	0.03	0.08

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		VOC	0.78	0.70
74TANK0003	Tank T-003	VOC	4.18	0.28

- (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
NH₃ - ammonia
H₂S - hydrogen sulfide
(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: May 23, 2017