

Emission Sources - Maximum Allowable Emission Rates

Permit Number 17833

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)
239T2	Equalization Basins	VOC	2.0	4.6
239T4	Aeration Basins	VOC	25.1	44.8
F221BGSYS	Bag Feeders	PM	5.46	2.79
		PM ₁₀	1.59	0.57
F221FG1	Belt Press Area	H ₂ S	1.78	1.95
		VOC	<0.01	<0.01
		Exempt Solvent	<0.01	<0.01
221T43	Polymer Tank	VOC	<0.01	<0.01
221T46R	Polymer Bulk Storage Tank	VOC	0.60	<0.01
222T25	Sulfuric Acid Tank	H ₂ SO ₄	<0.01	<0.01
222T27	Phosphoric Acid Tank	H ₃ PO ₄	<0.01	<0.01
222T28	Polymer Tank	VOC	0.06	<0.01
222T40	Polymer Mix Tank	VOC	<0.01	<0.01
F222FG1	NH ₃ Fugitives (5)	NH ₃	0.01	0.05
222T55	Sulfuric Acid Tank	H ₂ SO ₄	<0.01	<0.01
223PC1	Parts Cleaning Unit (6)	VOC	0.36	0.38
223T30	Sludge Silo 107TK-30	VOC	0.17	0.05
		Exempt Solvent	0.03	0.01
F223FG1 (5)	Piping Equipment Fugitives – FBI/Storage Tank 107TK-30	VOC	0.09	0.39
		Exempt Solvent	0.01	0.02

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223ES1	FBI/Scrubber Stack	PM	2.88	12.61
		PM ₁₀	2.88	12.61
		PM _{2.5}	2.88	12.61
		CO	6.77	29.65
		NOx	16.68	48.72
		VOC	0.25	1.13
		SO ₂	4.54	19.90
		Exempt Solvent	0.01	0.01
		HCl	1.80	7.88
		Cl ₂	0.20	0.87
		Aluminum (7)	2.88	12.61
		Arsenic (7)	0.00004	-
		Beryllium (7)	0.00002	-
		Cadmium (7)	0.00152	-
		Total Chromium (7)	0.00101	-
		Antimony (7)	0.01314	-
		Barium (7)	0.09370	-
		Lead (7)	0.00639	-
		Mercury (7)	0.03990	-
		Silver (7)	0.00375	-
		Thallium (7)	0.07209	-
		HBr	0.01	0.04
		HF	0.01	0.04
		HI	0.01	0.04
F633FG5 (6)	Landfill Fugitives	VOC	0.19	0.11

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		Exempt Solvent	0.02	0.01
		PM	0.17	0.52
		PM ₁₀	0.02	0.05
		PM _{2.5}	0.02	0.05
		Lead	0.0000013	0.0000041

- (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
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
 PM_{2.5} - total particulate matter equal to or less than 2.5 microns in diameter
 H₂S - hydrogen sulfide
 H₂SO₄ - sulfuric acid
 H₃PO₄ - phosphoric acid
 NH₃ - ammonia
 HCl - hydrogen chloride
 Cl₂ - chlorine
 HBr - hydrogen bromide
 HF - hydrogen fluoride
 HI - hydrogen iodide
- (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) Annual emission rate is based on 3,120 hours per year of landfill activity.
- (7) All metals from the FBI/Scrubber System Stack are in particulate matter form. Total emissions of all metals are limited by the PM, PM₁₀ and PM_{2.5} emission rates.

Date: July 08, 2022