

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19959

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)
085FL1/146FL2	Flare (Routine)	NO _x	28.90	20.39
		CO	57.01	37.75
		VOC (Reagents) (6)	0.08	0.19
		VOC	140.49	51.10
		SO ₂	0.01	0.05
		HCl	1.80	6.74
085FL1/146FL2	Flare (MSS)	NO _x	28.55	1.47
		CO	56.98	2.93
		VOC (Reagents) (6)	1.44	0.05
		VOC	140.38	8.40
		SO ₂	0.01	0.01
		HCl	1.80	0.27
		Al ₂ O ₃	106.50	0.22
252BH710	Baghouse	PM	0.51	2.24
		PM ₁₀	0.51	2.24
		PM _{2.5}	0.51	2.24
		VOC	(10)	(10)
252BH725	Baghouse	PM	0.77	0.37
		PM ₁₀	0.77	0.37
		PM _{2.5}	0.77	0.37
		VOC (Reagent 24)	0.03	0.12
		VOC	(10)	(10)

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252BH730	Baghouse	PM	0.03	0.14
		PM ₁₀	0.03	0.14
		PM _{2.5}	0.03	0.14
		VOC (Reagent 24)	0.01	0.02
		VOC	(10)	(10)
252D535	Hopper Vent	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
252MNT	Maintenance Emissions	VOC (Reagents) (7)	48.90	0.09
		VOC	31.70	0.35
		Al ₂ O ₃	0.83	0.01
252T355	Tank Vent	VOC	0.01	0.01
252T740	Tank Vent	VOC	0.03	0.01
252T741	Tank Vent	VOC	0.02	0.01
252T784	Tank Vent	VOC	(10)	(10)
252VC787	Tank Vent	VOC	(10)	(10)
252VF786	Blower Vent	VOC	(10)	(10)
252VT	Vacuum Truck	VOC	0.36	0.01
255BH841	Baghouse	PM	0.04	0.18
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
		VOC	(10)	(10)
255BH879	Baghouse	PM	0.77	0.37
		PM ₁₀	0.77	0.37
		PM _{2.5}	0.77	0.37
		VOC	(10)	(10)

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255BH881	Baghouse	PM	0.04	0.18
		PM ₁₀	0.04	0.18
		PM _{2.5}	0.04	0.18
		VOC	(10)	(10)
256S141	Scrubber Vent	VOC (Reagent 17)	9.92	0.05
256S150	Scrubber Vent	VOC (Reagents) (8)	0.02	0.02
		Reagent 15	0.16	0.01
		VOC	2.54	0.03
		Al ₂ O ₃	0.03	0.01
256S241	Scrubber Vent	VOC (Reagent 17)	0.31	0.01
252XALOY	Jet Cleaner	PM	0.03	0.05
		PM ₁₀	0.03	0.05
		PM _{2.5}	0.03	0.05
		VOC	0.31	0.46
F036LRPE	Fugitive Emissions (5)	VOC	0.02	0.08
F146FG1	Fugitive Emissions (5)	VOC	0.71	3.09
F252AV1	Analyzer Vent (5)	VOC	0.19	0.84
F252FG1	Fugitive Emissions (5)	CO	0.52	2.24
		VOC	2.63	11.46
F256FG1	Fugitive Emissions (5)	VOC	122.40	5.59
F256FG2	Fugitive Emissions (5)	VOC (Reagents) (9)	0.39	1.66
		Reagent 15	0.22	0.93
		VOC	1.62	5.94
		Al ₂ O ₃	0.01	0.02

- (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

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CO - carbon monoxide
Al₂O₃ - Aluminum oxide
HCl - Hydrogen chloride

- (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) Reagents include Reagents 9, 12, 18, 22 and 23. All reagent names are confidential.
- (7) Reagents include Reagents 9, 12, 17, 18, 22 and 23. All reagent names are confidential.
- (8) Reagents include Reagents 12 and 14. All reagent names are confidential.
- (9) Reagents include Reagents 9, 17, 18, 22 and 23. All reagent names are confidential.
- (10) The combined maximum allowable emission rates for EPNs: 252BH710, 252BH725, 252BH730, 252T784, 252VC787, 252VF786, 255BH841, 255BH879 and 255BH881 are 6.38 pounds per hour and 22.51 tons per year of VOC.

Date: November 8, 2017