

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. 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 * lb/hrTPY**	
Routine Operation				
085FL1 and 146FL2	Continuous Process Flare and Intermittent Flare	NO _x	31.65	21.40
		CO	62.49	39.76
		VOC (Reagents) (5)	0.08	0.19
		VOC	150.68	54.36
		SO ₂	0.01	0.05
		HCl	1.80	6.73
Start-Up/Shutdown/Maintenance				
085FL1 and 146FL2	Continuous Process Flare and Intermittent Flare	NO _x	31.65	1.57
		CO	62.49	3.14
		VOC (Reagents) (5)	1.45	0.05
		VOC	150.58	8.81
		SO ₂	0.01	0.01
		HCl	1.80	2.70
		Al ₂ O ₃	106.10	0.22
252BH710	Baghouse	PM	0.71	3.11
		VOC	***	***
252BH725	Baghouse	PM	0.77	0.33
		VOC	***	***
		VOC (Reagent 24)	0.03	0.12
252BH730	Baghouse	PM	0.03	0.13
		VOC	***	***
		VOC (Reagent 24)	0.01	0.01
252T355	Tank Vent	VOC	0.01	0.01
252T740	Tank Vent	VOC	0.03	0.01

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			lb/hr	TPY**
252T741	Tank Vent	VOC	0.01	0.01
252T784	Tank Vent	VOC	***	***
252VC787	Tank Vent	VOC	***	***
252VF786	Blower Vent	VOC	***	***
252VT	Vacuum Truck	VOC	3.97	0.03
252MNT	Maintenance	VOC (Reagents) (6)	48.85	0.09
		VOC	31.91	0.35
		PM	0.83	0.01
255BH881	Baghouse	PM	0.04	0.18
		VOC	***	***
255BH841	Baghouse	PM	0.04	0.18
		VOC	***	***
255BH879	Baghouse	PM	0.77	0.34
		VOC	***	***
256S141	Scrubber Vent	VOC (Reagent 17)	9.92	0.05
256S241	Scrubber Vent	VOC (Reagent 17)	0.31	0.01
256S150	Scrubber Vent	VOC (Reagents) (7)	0.18	0.03
		VOC	2.52	0.03
		Aluminum Oxide	0.03	0.01
F252AV1	Analyzers (4)	VOC	0.63	2.70
F146FG1	Storage Fugitives (4)	VOC	0.71	3.14
F036LRPE	Loading Rack (4)	VOC	0.02	0.08

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F252FG1	Process Fugitives (4)	VOC	2.58	11.26
		CO	0.52	2.24
F256FG1	Wastewater Fugitives (4)	VOC	122.40	5.59
F256FG2	Fugitives (4)	VOC (Reagents) (8)	0.79	3.29
		VOC	1.51	5.42

(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 - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

HCl - hydrogen chloride

Al₂O₃ - aluminum oxide

(4) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.

(5) Reagents include Reagents 9, 12, 18, 22, and 23. All reagent names are confidential.

(6) Reagents include Reagents 9, 12, 17, 18, 22, and 23. All reagent names are confidential.

(7) Reagents include Reagents 12, 14, and 15. All reagent names are confidential.

(8) Reagents include Reagents 9, 12, 14, 15, 17, 18, 22, and 23. All reagent names are confidential.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

** Compliance with the annual limits shall be based on a 12-month rolling period.

*** 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 27.93 tons per year of VOC.

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Dated May 11, 2009