

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 9597

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/hr	TPY**
Y-C-1	Furnace F-9180	VOC	0.03	0.12
		PM ₁₀	0.04	
		NO _x	0.49	
		CO	0.42	
Y-C-101	Furnace F-91180	VOC	0.04	0.16
		PM ₁₀	0.05	
		NO _x	0.64	
		CO	0.54	
Y-C-201	Furnace F-91280	VOC	0.03	0.11
		PM ₁₀	0.04	
		NO _x	0.46	
		CO	0.39	
Y-D-1	Flare X-9845	VOC	5.60	11.72
		NO _x	3.97	
		PM ₁₀	0.03	
		CO	9.19	
Y-D-201	Flare X-98245	VOC	5.60	5.87
		NO _x	0.50	
		SO ₂	0.01	
		CO	3.12	
Y-D-2	Flare X-9846	VOC	5.00	0.29
		NO _x	0.75	
		PM ₁₀	40.98	
		CO	3.86	

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Y-D-3	Caustic Scrubber R-9450/9460	VOC	0.65	1.45
		PM ₁₀ 9.80	17.51	
Y-D-203	Caustic Scrubber R-94260	VOC	0.42	1.48
		PM ₁₀ 4.83	9.58	
Y-D-4	Lime Scrubber R-94150	VOC	0.09	0.18
		PM ₁₀ 1.40	5.24	
		Silicon Tetrafluoride	0.30	1.00
Y-D-204	Lime Scrubber R-94250	VOC	0.05	0.19
		PM ₁₀ 0.59	2.57	
		Silicon Tetrafluoride	0.23	0.53
Y-E-1	Seal Pot D-9102 Vent	VOC	0.02	0.02
Y-E-201	Seal Pot D-91202 Vent	VOC	0.01	0.01
Y-E-2	Oil Scrubbers D-9104/D-91104	VOC	0.53	0.91
		PM ₁₀ 3.63	3.16	
Y-E-202	Oil Scrubber D-91204	VOC	0.20	0.44
		PM ₁₀ 3.24	0.48	
Y-E-3	Scrubber S-9550	HCl	0.06	0.12
Y-E-4	Baghouse SF-9620, SF-9621	PM ₁₀	0.01	0.05
Y-E-5	Baghouse B-9420, SF-9420A/B	PM ₁₀	0.10	0.37
Y-E-205	Baghouse B-94220, SF-94220A/B	PM ₁₀	0.09	0.41
Y-E-105	Baghouse B-94120, SF-94120A/B	PM ₁₀	0.10	0.37
Y-E-6	Baghouse B-9440	PM ₁₀	0.38	1.47
Y-E-7	Vent VP-9840	VOC	0.09	0.11
Y-E-207	Vent VP-98240	VOC	0.04	0.17

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Y-E-8/Y-E-108	Filters SF-9514/SF-95114	PM ₁₀	0.01	0.01
Y-E-9/Y-E-109	Filters SF-9524/SF-95124	PM ₁₀	0.01	0.01
Y-E-10/Y-E-110	Filters SF-9534/SF-95134	PM ₁₀	0.01	0.01
Y-E-11	Filter SF-9624	PM ₁₀	0.01	0.01
Y-E-12	Filter SF-9610	PM ₁₀	0.01	0.01
Y-E-13	Filter SF-9160	PM ₁₀	0.01	0.01
Y-E-213	Filter SF-91260	PM ₁₀	0.01	0.01
Y-E-14	Vent LE-14	PM ₁₀	3.42	0.37
Y-E-15	Vent LE-7B	VOC	0.01	0.03
Y-E-16/Y-E-116	Vent K-9230/K-92130	PM ₁₀	0.01	0.01
Y-E-216	Vent K-92230	PM ₁₀	0.01	0.01
Y-E-17	Vent VP-9394	VOC	0.04	0.08
		PM ₁₀ 0.02	0.07	
Y-E-17A	VP-9395/VP-9397	VOC	0.04	0.12
		PM ₁₀ 0.03	0.07	
Y-E-18/Y-E-118	R-9510/9520/9530/9540 Annulus R-95110/95120/95130/95140/95150 Annulus	PM ₁₀	0.35	1.21
Y-E-19/Y-E-119	K-9240/K-92140	PM ₁₀	0.01	0.01
Y-E-219	K-92240	PM ₁₀	0.01	0.01
Y-E-20	Filter SF-9655	PM ₁₀	0.01	0.01

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Y-E-21	Filter SF-9615	PM ₁₀	0.01	0.01
Y-E-22/Y-E-122	Filter SF-9544/SF-95144	PM ₁₀	0.01	0.01
Y-E-23/Y-E-123	Vent K-9511/K-95111	PM ₁₀	0.02	0.03
Y-E-24	Vent K-9521	PM ₁₀	0.01	0.02
Y-E-25	Filter LE-23	VOC	0.03	0.06
Y-E-26	Vent LE-42	VOC	0.01	0.02
Y-E-27	Vent LE-47	VOC	0.01	0.02
Y-E-28	Vent K-9250	PM ₁₀	0.01	0.01
Y-E-129	Filter SF-95154	PM ₁₀	0.01	0.01
Y-GZ-1	Fugitives (4)	VOC	7.06	30.93
		Silane Compounds	2.82	12.38
		Silicon Tetrafluoride	0.24	1.17
		HCl 0.21	0.80	
Y-GZ-2	SAF Loading Fugitives (4)	VOC	0.01	0.01
		PM ₁₀ 0.94	0.86	
Y-GZ-202	SAF Loading Fugitives (4)	VOC	0.01	0.01
		PM ₁₀ 0.56	0.51	

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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
PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
CO - carbon monoxide
HCl - hydrogen chloride
SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 21, 2006