

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	0.04	0.17
		NO _x	0.49	2.15
		CO	0.42	1.81
Y-C-101	Furnace F-91180	VOC	0.04	0.16
		PM	0.05	0.22
		NO _x	0.64	2.80
		CO	0.54	2.35
Y-D-1	Flare X-9845	VOC	5.60	11.72
		NO _x	3.97	3.20
		PM	0.03	0.14
		CO	9.19	15.86
Y-D-2	Flare X-9846	VOC	2.50	0.20
		NO _x	0.52	1.96
		PM	37.67	9.00
		CO	2.67	10.50
Y-D-3	Caustic Scrubber	VOC	0.65	1.45
		PM	9.80	17.51
Y-D-4	Lime Scrubber	VOC	0.09	0.18
		PM	1.40	5.24
		Silicon Tetrafluoride	0.30	1.00
Y-E-1	Seal Pot D-9102 Vent	VOC	0.02	0.02

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Y-E-2	Oil Scrubbers D-9104/D-91104	VOC	0.53	0.91
	PM	3.63	3.16	
Y-E-3	Scrubber S-9550	HCl	0.04	0.08
Y-E-4	Baghouse SF-9620, SF-9621	PM	0.01	0.05
Y-E-5	Baghouse B-9420, SF-9420A/B	PM	0.10	0.37
Y-E-105	Baghouse B-94120, SF-94120A/B	PM	0.10	0.37
Y-E-6	Baghouse B-9440	PM	0.38	1.47
Y-E-7	Vent VP-9840	VOC	0.09	0.11
Y-E-8/Y-E-108	Filters SF-9514/SF-95114	PM	0.01	0.01
Y-E-9/Y-E-109	Filters SF-9524/SF-95124	PM	0.01	0.01
Y-E-10/Y-E-110	Filters SF-9534/SF-95134	PM	0.01	0.01
Y-E-11	Filter SF-9624	PM	0.01	0.01
Y-E-12	Filter SF-9610	PM	0.01	0.01
Y-E-13	Filter SF-9160	PM	0.01	0.01
Y-E-14	Vent LE-14	PM	3.39	0.26
Y-E-15	Vent LE-7B	VOC	0.01	0.02
Y-E-16/Y-E-116	Vent K-9230/K-92130	PM	0.01	0.01

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			lb/hr	TPY**
Y-E-17	Vent VP-9394	VOC PM 0.01	0.02 0.05	0.01
Y-E-17A	VP-9395	VOC PM 0.02	0.02 0.05	0.01
Y-E-18/Y-E-118	R-9510/9520/9530 Annulus R-95110/95120/95130 Annulus	PM	0.26	0.81
Y-E-19/Y-E-119	K-9240/K-92140	PM	0.01	0.01
Y-E-20	Filter SF-9655	PM	0.01	0.01
Y-E-21	Filter SF-9615	PM	0.01	0.01
Y-E-22/Y-E-122	Filter SF-9544/SF-95144	PM	0.01	0.01
Y-E-23/Y-E-123	Vent K-9511/K-95111	PM	0.02	0.03
Y-E-24	Vent K-9521	PM	0.01	0.02
Y-E-25	Filter LE-23	VOC	0.02	0.03
Y-E-26	Vent LE-42	VOC	0.01	0.01
Y-E-27	Vent LE-47	VOC	0.01	0.01
Y-E-28	Vent K-9250	PM	0.01	0.01
Y-E-129	Filter SF-95154	PM	0.01	0.01
Y-GZ-1	Fugitives (4)	VOC Silane Compounds Silicon Tetrafluoride HCl 0.14	4.28 1.88 0.16 0.53	18.74 8.25 0.78

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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
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
- (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 July 1, 2005