

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 46560

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**
6118-T-50801	Flare	VOC	33.71	13.06
		Hexane	28.35	7.39
		TiCl ₄ 4.31	0.02	
		NO _x 2.41	1.17	
		CO 17.43	5.95	
		SO ₂ 0.003	0.001	
6118-C-50504	Additive Addition Station	PM	0.06	0.01
6118-C-50507	Vacuum Baghouse	PM	0.30	0.15
6118-MS-50405	Product Silo No. 1 Baghouse	VOC	0.19	(5)
		Hexane	0.31	(5)
		PM 0.25	(5)	
6118-MS-50407	Product Silo No. 2 Baghouse	VOC	0.19	(5)
		Hexane	0.31	(5)
		PM 0.25	(5)	
6118-MS-50409	Product Silo No. 3 Baghouse	VOC	0.19	(5)
		Hexane	0.31	(5)
		PM 0.25	(5)	
6118-MS-50411	Product Silo No. 4 Baghouse	VOC	0.19	(5)
		Hexane	0.31	(5)
		PM 0.25	(5)	
Total Annual Allowable for all Product Silo Baghouses		VOC		0.39
		Hexane		0.64
		PM	2.02	
6118-MS-50508	Railcar Loading Baghouse	VOC	0.70	0.07
		Hexane	1.15	0.11
		PM 0.92	0.85	

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			lb/hr	TPY**
6118-T-50303	Fines Fluid Bed	VOC	0.19	0.20
		Hexane	0.31	0.33
		HCl 0.024	0.11	
		PM 0.25	1.10	
6118-MN-50801	Main Unit Sump	VOC	0.003	0.009
		Hexane	0.003	0.014
6118-FUG	Fugitives (4)	VOC	0.29	1.28
		Hexane	0.30	1.30
		TiCl ₄ 0.10	0.44	

(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 30 Texas Administrative Code Section 101.1, not including hexane

Hexane -

a VOC and hazardous air pollutant as defined in Title 40 Code of Federal Regulations Part 63

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

TiCl₄ - titanium tetrachloride

HCl - hydrogen chloride

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			lb/hr	TPY**

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

(5) Annual allowable is combined for all four Product Silo Baghouses.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

Dated May 24, 2001