

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 77738

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**
ST-033		Glycol Storage Tank 0.01		VOC 0.01
ST-301		Maleic Anhydride Storage Tank 0.28		VOC 0.03
		Anhydride 0.03		Maleic 0.28
ST-304		Glycol Storage Tank 0.01		VOC 0.01
ST-305		Styrene Storage Tank 0.50		VOC 0.14
		e		Styren 0.50 0.14
ST-306		Fatty Acid Storage Tank 0.01		VOC 0.01
ST-307		Styrene Storage Tank 0.43		VOC 0.12
		Styrene 0.12		0.43
ST-308		Solvent Storage Tank 1.71		VOC 0.12
ST-309		Vegetable Oil Storage Tank 0.01		VOC 0.01

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ST-310		Vegetable Oil Storage Tank	VOC 0.01 0.01	
ST-311		Solvent Storage Tank	VOC 1.70	0.12
ST-312		Xylene Storage Tank	VOC 1.91	0.14
		Xylene	0.10	1.44
		Benzene	0.03	Ethyl 0.41
		Toluene	0.01	0.06
ST-314	Glycerine Storage Tank	VOC	0.01	0.01
ST-315	Glycol Storage Tank	VOC	0.01	0.01
ST-316	Vegetable Oil Storage Tank	VOC	0.01	0.01
ST-317	Glycol Storage Tank	VOC	0.02	0.01
ST-318	Solvent Storage Tank	VOC	1.36	0.09
ST-319	Toluene Storage Tank	VOC	7.10	0.19
		Toluene	7.10	0.19
ST-330	Phthalic Anhydride Storage Tank	VOC	0.24	0.04
		Phthalic Anhydride	0.24	0.04

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ST-340	Dimer Acid Storage Tank	VOC	0.02	0.01
ST-625	Solvent Storage Tank	VOC	0.94	0.07
ST-626	Solvent Storage tank	VOC	1.33	0.10
ST-627	Solvent Storage Tank	VOC	0.99	0.08
Resin Storage Tank	Resign Storage Tanks Caps (622, 623, 624, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652)	VOC	22.74	2.55
		Toluene	21.78	0.48
		Ethyl Benzene	1.79	0.21
		Xylene	6.41	0.70
		Styrene	2.26	0.23
Thin/Blend Tank Caps	Thin/Blend Tanks	VOC	28.14	8.64
		Toluene	18.81	1.05
		Ethyl Benzene	3.20	0.47
		Xylene	11.90	1.62
		Styrene	2.58	1.80
ST-641	Glycol Storage Tank	VOC	0.01	0.01
		Ethylene Glycol	0.01	0.01
2	Steam Boiler	VOC	0.08	0.36
		PM	0.11	0.50
		PM ₁₀	0.11	0.50
		NO _x	0.48	2.10
		SO ₂	0.01	0.04
		CO	1.26	5.52
5	Dowtherm G Heater	PM	0.10	0.42
		PM ₁₀	0.10	0.42
		NO _x	0.45	1.97
		VOC	0.07	0.30
		SO ₂	0.01	0.03
		CO	1.05	4.60

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3	Thermal Oxidizer	PM	0.06	0.26
		PM ₁₀	0.06	0.26
		NO _x	0.78	3.42
		VOC	0.38	1.67
		SO ₂	0.01	0.02
		CO	0.66	2.87
		Ethylene Glycol	0.11	0.47
		Maleic Anhydride	0.02	0.08
		Phthalic Anhydride	0.02	0.08
		Xylene	0.01	0.01
		Ethyl Benzene	0.01	0.01
		Toluene	0.01	0.01
6	Emergency Fire Water	PM	0.48	0.12
		PM ₁₀	0.48	0.12
		NO _x	6.82	1.71
		VOC	0.55	0.14
		SO ₂	0.45	0.11
		CO	1.47	0.37
		VOC	4.98	0.05
STGAS	Gasoline Storage Tank	VOC	4.98	0.05
STDiesel	Diesel Storage Tank	VOC	0.01	0.01
STDFFP	Diesel Fire Pump Storage Tank	VOC	0.02	0.01
STDST	Dowtherm Heat Transfer System	VOC	0.03	0.15
WS6	Glycol Weigh Tank	VOC	0.02	0.01
		Ethylene Glycol	0.01	0.01
WS7	Alkyd Weigh Tank	VOC	0.01	0.01
FITTC	Tank Truck Cleaning	VOC	3.39	0.73
		Styrene	1.33	0.42
		Xylene	1.56	0.24
		Ethyl Benzene	0.42	0.06

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		Toluene	0.07	0.01
FIAT	Alkyd Product Loading	VOC	29.48	3.03
		Xylene	9.51	0.85
		Ethyl Benzene	2.55	0.25
		Toluene	14.19	0.44
FUG	Pipeline and Component Fugitives	VOC	0.64	2.81
		Styrene	0.11	0.48
		Xylene	0.08	0.35
		Ethyl Benzene	0.02	0.10
		Toluene	0.01	0.05
MISC	Misc Fugitive Fugitives	VOC	0.12	0.49
		Styrene	0.12	0.49
FILT	Filter Press Precoat Tank, Filter Press, Filter Press Cake Media Hopper	VOC	3.82	1.24
		Xylene	1.38	0.37
		Ethyl Benzene	0.37	0.11
		Toluene	3.66	0.22
FIPT	Polyester Drumming	VOC	1.27	1.67
		Styrene	1.27	1.67

- (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
- SO₂ - sulfur dioxide
- PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}.
- 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.

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CO - carbon monoxide

- (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 February 14, 2007