

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	VOC	0.02	0.01
ST-301	Maleic Anhydride Storage Tank	VOC	0.28	0.03
ST-304	Glycol Storage tank	VOC	0.02	0.03
ST-305	Styrene Storage Tank	VOC	1.25	0.14
ST-306	Fatty Acid Storage Tank	VOC	0.01	0.01
ST-307	Styrene Storage Tank	VOC	1.25	0.12
ST-308	Solvent Storage Tank	VOC	1.43	0.12
ST-309	Vegetable Oil Storage Tank	VOC	0.01	0.01
ST-310	Vegetable Oil Storage Tank	VOC	0.01	0.01
ST-311	Solvent Storage Tank	VOC	1.43	0.12
ST-312	Xylene Storage Tank	VOC	1.70	0.14
ST-314	Glycerine Storage Tank	VOC	0.01	0.01
ST-315	Glycol Storage Tank	VOC	0.02	0.01
ST-316	Vegetable Oil Storage Tank	VOC	0.01	0.01
ST-317	Glycol Storage Tank	VOC	0.01	0.01
ST-318	Solvent Storage Tank	VOC	1.43	0.09
ST-319	Toluene Storage Tank	VOC	4.88	0.19

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			lb/hr	TPY**
ST-330	Phthalic Anhydride Storage Tank	VOC	0.62	0.08
ST-340	Dimer Acid Storage Tank	VOC	0.02	0.01
ST-625	Solvent Storage Tank	VOC	1.43	0.07
ST-626	Solvent Storage tank	VOC	1.43	0.10
ST-627	Solvent Storage Tank	VOC	1.43	0.08
Resin Storage Tank Caps	Resign Storage Tanks (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	17.97	2.55
Thin/Blend Tank Caps	Thin/Blend Tanks	VOC	28.14	8.64
ST-641	Glycol Storage Tank	VOC	0.01	0.01
2	Steam Boiler	VOC	0.08	0.36
		PM	0.11	
		PM10	0.11	
		NOx	0.48	
		SO2	0.01	
		CO	1.26	
5	Dowtherm G Heater	PM	0.10	0.42
		PM10	0.10	
		NOx	0.45	
		VOC	0.07	
		SO2	0.01	
		CO	1.05	

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3	Thermal Oxidizer	PM	0.06	0.26
		PM10	0.06	0.26
		NOx	0.78	3.42
		VOC	0.38	1.67
		SO2	0.01	0.02
		CO	0.66	2.87
6	Emergency Fire Water	PM	0.48	0.12
		PM10	0.48	0.12
		NOx	6.82	1.71
		VOC	0.55	0.14
		SO2	0.45	0.11
		CO	1.47	0.37
STGAS	Gasoline Storage Tank	VOC	3.93	0.05
STDiesel	Diesel Storage Tank	VOC	0.01	0.01
STDFP	Diesel Fire Pump Storage Tank	VOC	0.01	0.01
STDST	Dowtherm Heat Transfer System	VOC	0.03	0.15
WS6	Glycol Weigh Tank	VOC	0.02	0.01
WS7	Alkyd Weigh Tank	VOC	0.01	0.01
FITTC	Tank truck Cleaning	VOC	3.39	0.73
FIPT	Polyester Product Loading	VOC	5.49	1.67
FIAT	Alkyd Product Loading	VOC	29.48	3.03
FUG	Pipeline and Component Fugitives		VOC	0.64
		2.81		

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MISC	Misc Fugitive Fugitives	VOC	0.12	0.49
FILT	Filter Press Precoat Tank, Filter Press, Filter Press Cake Media Hopper	VOC	3.82	1.24

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

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(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

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.

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 _ Hrs/year

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