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	0.01	0.01
ST-301	Maleic Anhydride Storage Tank	VOC	0.28	0.03
		Maleic Anhydride	0.28	0.03
ST-304	Glycol Storage Tank	VOC	0.01	0.01
ST-305	Styrene Storage Tank	VOC	0.50	0.14
		Styrene	0.50	0.14
ST-306	Fatty Acid Storage Tank	VOC	0.01	0.01
ST-307	Styrene Storage Tank	VOC	0.43	0.12
		Styrene	0.43	0.12
ST-308	Solvent Storage Tank	VOC	1.71	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	1.70	0.12
ST-312	Xylene Storage Tank	VOC	1.91	0.14
		Xylene	1.44	0.10
		Ethyl Benzene	0.41	0.03
		Toluene	0.06	0.01
ST-314	Glycerine Storage Tank	VOC	0.01	0.01

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
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
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 Tanks	Resin Storage Tanks Cap	VOC		2.55
		Toluene		0.48
		Xylene		0.70
		Ethyl Benzene		0.21
		Styrene		0.46
RST-622	Resin Storage Tank	VOC	22.74	
RST-623	Resin Storage Tank	VOC	22.74	
RST-624	Resin Storage Tank	VOC	22.74	
RST-629	Resin Storage Tank	VOC	22.74	
RST-630	Resin Storage Tank	VOC	22.74	

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
RST-631	Resin Storage Tank	VOC	22.74	
RST-632	Resin Storage Tank	VOC	22.74	
RST-633	Resin Storage Tank	VOC	22.74	
RST-634	Resin Storage Tank	VOC	22.74	
RST-635	Resin Storage Tank	VOC	22.74	
RST-636	Resin Storage Tank	VOC	22.74	
RST-637	Resin Storage Tank	VOC	22.74	
RST-638	Resin Storage Tank	VOC	22.74	
RST-639	Resin Storage Tank	VOC	22.74	
RST-640	Resin Storage Tank	VOC	22.74	
RST-642	Resin Storage Tank	VOC	22.74	
RST-643	Resin Storage Tank	VOC	22.74	
RST-644	Resin Storage Tank	VOC	22.74	
RST-645	Resin Storage Tank	VOC	22.74	
RST-646	Resin Storage Tank	VOC	22.74	
RST-647	Resin Storage Tank	VOC	22.74	
RST-648	Resin Storage Tank	VOC	22.74	
RST-649	Resin Storage Tank	VOC	22.74	
RST-650	Resin Storage Tank	VOC	22.74	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
RST-651	Resin Storage Tank	VOC	22.74	
RST-652	Resin Storage Tank	VOC	22.74	
Thin/Blend Tanks	Thin/Blend Tanks Cap	VOC		8.64
		Toluene		1.05
		Ethyl Benzene		0.47
		Xylene		1.62
		Styrene		1.80
TT-511	Thin/Blend Tank	VOC	19.27	
TT-512	Thin/Blend Tank	VOC	19.27	
TT-513	Thin/Blend Tank	VOC	19.27	
TT-514	Thin/Blend Tank	VOC	19.27	
TT-515	Thin/Blend Tank	VOC	19.27	
TT-516	Thin/Blend Tank	VOC	19.27	
TT-510	Thin/Blend Tank	VOC	19.27	
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		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
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 Andydride	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
STGAS	Gasoline Storage Tank	VOC	4.98	0.05
STDiesel	Diesel Storage Tank	VOC	0.01	0.01
STDFP	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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
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
		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 (4)	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 Fugitves (4)	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
PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 2.5 microns is emitted.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**

NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide

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

NOTE: The combined emissions of all sources of hazardous air pollutants (HAPS) at this site is limited to less than 10 TPY any single HAP and less than 25 TPY of any combination of aggregate HAPS. Records will be maintained on-site to confirm that this condition is being met on a rolling 12-month basis.

* 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 January 30, 2008