

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 56268

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, sources, and related activities. 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 (6)	
			lbs/hour	TPY (5)
E1	Uppers Production - Stack E1	Styrene	38.00	(4)
		Other VOC	16.40	(4)
		Exempt Solvent	40.00	(4)
		PM	11.31	(4)
E2	Base and Pipe Production - Stack E2	Styrene	50.00	(4)
		Other VOC	24.40	(4)
		Exempt Solvent	40.00	(4)
		PM	17.56	(4)
Fug1	Woven Roven Cutting Fugitives	PM	0.05	(4)
T1	Resin Storage Tank 1	Styrene	2.37	(4)
T2	Resin Storage Tank 2	Styrene	2.37	(4)

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.  
 Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>.  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>.  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter.
- (4) Plant wide annual emissions of styrene, other VOC (excluding styrene) and exempt solvent shall not exceed 79.9 tpy. Plant wide annual PM emissions shall not exceed 43.38 tpy.

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- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) The allowable emission rates include planned maintenance, startup and shutdown activities.

Date: October 22, 2013