

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18241

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
RM02	Solvent Tank	VOC	11.27	
RM03	Solvent Tank	VOC	11.27	
RM04	Solvent Tank	VOC	11.27	
RM05	Solvent Tank	VOC	11.27	
Precoat	Solvent Tank	VOC	11.27	
Total for RM02-RM05 and Precoat		VOC		2.281
RM07	Styrene Tank	VOC	0.229	0.042
RM08	Oil Tank	VOC	0.51	
RM09	Oil Tank	VOC	0.51	
RM10	Oil Tank	VOC	0.51	
RM11	Oil Tank	VOC	0.51	
RM12	Oil Tank	VOC	0.51	
RM17	Oil Tank	VOC	0.51	
Total for RM08-RM12 and RM17		VOC		0.132
RM13	Glycol Tank	VOC	0.16	

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<u>TPY</u>				
RM14	Glycol Tank	VOC	0.16	
RM15	Glycol Tank	VOC	0.16	
RM16	Glycol Tank	VOC	0.16	
Total for RM13-RM16			VOC	
	0.027			
RM18	Tank	IPDI or ADI	<0.0005	<0.0001
RM19	Tank	TDI	0.0001	<0.0001
RM21	Tank No. 21	Maleic Anhydride	0.06	0.003
RM22	Tank	Phthalic Anhydride	0.39	0.169
RM23	Tank No. 23	E-Caprolactam	0.01	<0.001
FG01	Polyurethane Tank	VOC	0.24	
FG03	Polyurethane Tank	VOC	0.24	
Total for FG01 and FG03		VOC		0.02
FG02	Alkyd Tank	VOC	2.92	
FG04	Alkyd Tank	VOC	2.92	
FG05	Alkyd Tank	VOC	2.92	

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
<u>TPY</u>			
FG06	Alkyd Tank	VOC	2.92
FG07	Alkyd Tank	VOC	2.92
FG10	Alkyd Tank	VOC	2.92
FG11	Alkyd Tank	VOC	2.92
FG12	Alkyd Tank	VOC	2.92
FG13	Alkyd Tank	VOC	2.92
FG14	Alkyd Tank	VOC	2.92
FG15	Alkyd Tank	VOC	2.92
FG16	Alkyd Tank	VOC	2.92
FG17	Alkyd Tank	VOC	2.92
FG18	Alkyd Tank	VOC	2.92
FG19	Alkyd Tank	VOC	2.92
FG20	Alkyd Tank	VOC	2.92
FG21	Alkyd Tank	VOC	2.92
FG22	Alkyd Tank	VOC	2.92
FG23	Alkyd Tank	VOC	2.92
FG24	Alkyd Tank	VOC	2.92

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
<u>TPY</u>			
FG25	Alkyd Tank	VOC	2.92
FG26	Alkyd Tank	VOC	2.92
FG27	Alkyd Tank	VOC	2.92
FG28	Alkyd Tank	VOC	2.92
FG29	Alkyd Tank	VOC	2.92
Total for FG02, FG04-FG07 and FG10-FG29		VOC	1.432
PEB01	Polyester Tank	VOC	0.025
PEB02	Polyester Tank	VOC	0.025
PEB03	Polyester Tank	VOC	0.025
PEB04	Polyester Tank	VOC	0.025
PEB05	Polyester Tank	VOC	0.025
PEB06	Polyester Tank	VOC	0.025
FB08	Polyester Tank	VOC	0.025
Total for PEB01-PEB07 and FB08		VOC	0.028
BT01	Polyester Tank	VOC	0.025
BT03	Polyester Tank	VOC	0.025
BT04	Polyester Tank	VOC	0.025

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
Total for BT01, BT03 and BT04		VOC		0.045
BT02	Alkyd Tank	VOC	6.94	
BT05	Alkyd Tank	VOC	6.94	
BT06	Alkyd Tank	VOC	6.94	
Total for BT02, BT05 and BT06		VOC		2.4
12	Fume Incinerator	VOC	0.445	1.03
		POC	0.474	2.08
13A and 13AA	Filter Press	VOC	0.103	0.45
13B	Drum Filling Room	VOC	2.89	
13BB	Drum Filling Room	VOC	2.89	
13C	Truck Loading and Unloading Area	VOC	6.94	
13CC	Truck Loading and Unloading Area	VOC	6.94	
13CCC	Truck Loading and Unloading Area	VOC	6.94	
Total for Loading, Unloading and Drum Filling		VOC		2.511
21	Curing Agent Bagging Equipment	PM ₁₀	0.057	0.25

22	Curing Agent Scrubber	PM ₁₀	0.021	0.028
23	Curing Agent Tank	VOC	0.004	0.015
24	Mix Tank	VOC	0.004	0.015
30	Inert Gas Generator	POC	0.04	0.176
31	Therminol Heater	POC	8.0	6.79

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- (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 General Rule 101.1
 - IPDI - isophorone diisocyanate
 - TDI - toluene diisocyanate
 - ADI - aliphatic diisocyanate
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - POC - products of combustion of natural gas including: VOC, NO_x, SO₂, PM₁₀, and CO combined
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide

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

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

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

Dated _____