

EMISSION SOURCES, EMISSION CAPS, AND INDIVIDUAL EMISSION LIMITATIONS  
MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 81030

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)	<u>Emission Rates</u>	
			lb/hr	TPY(4)
Sitewide VOC Cap	Table M Sources	VOC	25.03	11.13
Sitewide PM Cap	Table M Sources	PM/PM <sub>10</sub> /PM <sub>2.5</sub>	0.26	0.04
Sitewide		Combined HAPs	3.93	2.79
		Individual HAP	3.84	1.94

**Table M: Sources Subject to VOC and PM Caps (5)**

**Note: AA-Acrylic Adhesives Mfg., CA-Curing Agent Mfg., INK-Ink Mfg., RDQA-RD and QA, ST-Storage Tanks**

EPN	Emission Point Description	Source Name/ FINs	Facility Description	Pollutant	Process (6)
ST-1101	Tank Roof Vent	MT-1	Monomer Day Tank	VOC	AA
ST-1102	Tank Roof Vent	MT-2	Monomer Day Tank	VOC	AA
ST-1103	Tank Roof Vent	MT-3	Monomer Day Tank	VOC	AA
ST-1104	Tank Roof Vent	MT-4	Monomer Day Tank	VOC	AA
ST-1105	Tank Roof	MT-5	Monomer Day Tank	VOC	AA
ST-1107	Tank Roof Vent	MT-7	Monomer Day Tank	VOC	AA
ST-1108	Tank Roof	MT-8	Monomer Day Tank	VOC	AA
ST-1202	Tank Roof	CT-1	Catalyst Day Tank	VOC	AA

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	Vent				
ST-1204	Tank Roof Vent	CT-2	Catalyst Day Tank	VOC	AA

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<b>Table M: Sources Subject to VOC and PM Caps (5)</b> <b>Note: AA-Acrylic Adhesives Mfg., CA-Curing Agent Mfg., INK-Ink Mfg., RDQA-RD and QA, ST-Storage Tanks</b>					
EPN	Emission Point Description	Source Name/ FINs	Facility Description	Pollutant	Process (6)
ST-1205	Tank Roof Vent	CT-5	Catalyst Day Tank	VOC	AA
ST-9131	MT/CT Tank System Vent	All MT and CT FINs	All Monomer and Catalyst Day Tanks	VOC	AA
ST-9132	Condenser Vent	RV, DV	Reaction and Dilution Vessels	VOC	AA
VP-1101	Vacuum Pump Vent	RV, DV, PFAA, CA-TKA, CA-TKB	Reaction and Dilution Vessels, Unloading, All CA Vessels and Processes	VOC, PM	AA, CA
EFAA	Acrylic Adhesive Bldg Ventilation Vents	RV, DV, PFAA, CA-TKA, CA-TKB	Reaction and Dilution Vessel Loading, Unloading, Filter Replacement, Solvent Cleaning, Equipment Leaks, All CA Vessels and Processes	VOC, PM	AA, CA
DC-0902	Dust Collector Vent	PTGI, LTGI, BMNI, D50NI, D75NI	Primary (PT), Adjustment (LT) Tanks, Basket Mill, and Disperser Loading and Mixing	VOC, PM	INK
EX-0905	Exhaust System Vent	PTGI, LTGI, PFGI, BMNI, D50NI, D75NI	Primary (PT) and Adjustment (LT) Tanks, Basket Mill, and Disperser Loading and Mixing; Product Filling (PF); Solvent Cleaning	VOC, PM	INK

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<b>Table M: Sources Subject to VOC and PM Caps (5)</b> <b>Note: AA-Acrylic Adhesives Mfg., CA-Curing Agent Mfg., INK-Ink Mfg., RDQA-RD and QA, ST-Storage Tanks</b>					
EPN	Emission Point Description	Source Name/ FINs	Facility Description	Pollutant	Process (6)
EFGI	Roof Vents	PTGI, LTGI, PFGI, BMNI, D50NI, D75NI, FUGNI, SR	Primary (PT) and Adjustment (LT) Tanks, Basket Mill, and Disperser Loading and Mixing; Product Filling (PF)/Unloading; Solvent Cleaning; Solvent Recycling; Equipment Leaks; 5% of these source emissions are assumed fugitive within the building	VOC, PM	INK
EFRD	R&D and QA/QC Roof Vent	LABS	Research and Development and Quality Assurance Lab Building	VOC	RDQA
ST-9101	Tank Vent	ST-1	Ethyl Acetate Storage Tank	VOC	ST
ST-9102	Tank Vent	ST-2	n-Butyl Acrylate Storage Tank	VOC	ST
ST-9103	Tank Vent	ST-3	2-Ethyl Hexyl Acrylate Storage Tank	VOC	ST
ST-9104	Tank Vent	ST-4	Toluene Storage Tank	VOC	ST
FUG1	Storage Tank Fugitives	FUG1	Equipment Leak/Piping Fugitive Emissions	VOC	ST

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY(4)

The following sources with individual emission limits are not part of the VOC or PM emission Caps.

Combustion Sources. Emissions due to fuel combustion only:

B-1	Boiler	VOC	0.01	0.05
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	0.07
		NO <sub>x</sub>	0.22	0.94
		CO	0.18	0.79
		SO <sub>2</sub>	<0.01	0.01
EGEN	Emergency Generator	VOC	1.32	0.33
		PM <sub>10</sub> /PM <sub>2.5</sub>	1.17	0.29
		NO <sub>x</sub>	16.52	4.13
		CO	3.56	0.89
		SO <sub>2</sub>	1.09	0.27

- (1) Emission point identification.
- (2) Specific point source names, also known as a facility identification number, or FIN.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
 NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits is based on a rolling 12-month basis.
- (5) Only those sources listed in Table M are subject to the emissions caps for VOC and PM.
- (6) Process refers to the major process lines/areas as listed in the permit application dated February 5, 2007, and the amendment application dated June 16, 2010.

Dated: October 25, 2010