

# Emission Sources - 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, 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 (5)	
			lbs/hour	TPY (4)
ST-9101	EAC Bulk Storage Tank – Standing Losses	VOC	0.06	0.18
ST-9102	BA Bulk Storage Tank – Standing Losses	VOC	<0.01	0.01
ST-9103	2EHA Bulk Storage Tank – Standing Losses	VOC	<0.01	<0.01
ST-9104	TOL Bulk Storage Tank – Standing Losses	VOC	0.01	0.04
FUG1	Tank Area – Piping Component Fugitives	VOC	0.09	0.41
TRK-01	EAC/BA/2EHA/TOL Bulk Storage Tank Working Losses	VOC	0.46	0.01
GD-1/GD-2	Adhesives Building Fugitives – 1 <sup>st</sup> Floor Piping Components/ Adhesives Filter Replacement	VOC	0.78	0.25
DTV	Day Tanks – ST-1104 /ST-1105/ST-1204/ /ST-1205/ST-1304/ /ST-1305	VOC	7.31	0.90
ST-9132 (9)	Adhesive Building Reactor/Condenser Vent (6)	VOC	10.61	6.11
ST-9132 (10)	Condensers/Carbon Adsorption System (7)	VOC	<0.01	<0.01
VP-1101	Adhesives Building Vacuum Pump Vent (8)	VOC	17.96	3.96
		PM	3.56	0.33
		PM <sub>10</sub>	3.56	0.33
		PM <sub>2.5</sub>	3.56	0.33

DC-0902	Ink Bldg Dust Collector Vent	VOC	4.42	2.44
		PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
EX-0905	Ink Bldg Exhaust Vent	VOC	5.37	3.01
EFGI-1	Solvent Ink Bldg Roof Vents	VOC	0.65	1.30
		PM	0.06	0.01
		PM <sub>10</sub>	0.03	0.01
		PM <sub>2.5</sub>	0.01	<0.01
DC-0903	Water Ink Bldg Dust Collector Vent	VOC	0.12	0.17
		PM	0.01	<0.01
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		Ammonia	0.19	0.07
EX-0906	Water Ink Bldg Exhaust Vent	VOC	0.09	0.15
		Ammonia	0.16	0.09
EFGI-2	Water Ink Bldg Roof Vents	VOC	0.01	0.04
		PM	0.04	<0.01
		PM <sub>10</sub>	0.02	<0.01
		PM <sub>2.5</sub>	0.01	<0.01
		Ammonia	0.01	0.02
EFRD	R&D Lab Vent	VOC	0.65	0.04
B-1	Boiler	VOC	0.01	0.05
		PM	0.02	0.07
		PM <sub>10</sub>	0.02	0.07
		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	1.17	0.29
		PM <sub>10</sub>	1.17	0.29

		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
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00
		Total HAP's	---	<25.00

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
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  
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 (40 CFR) Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a rolling consecutive 12-month period.
- (5) The allowable emission rates include planned maintenance, startup, and shutdown activities.
- (6) Total hourly and annual emissions include all condensers (IDs CRT-1101, CLT-1102, CLT-1103, CRT-1201, and CLT1202) located within the Adhesive Manufacturing Building.
- (7) Sources for the Condensers/Carbon Adsorption System include the following: Adhesive Reactor Vessels (FINs RT-1101, RT-1201, and RT-1301) – Reaction; and Adhesive Letdown Tanks (FINs LT-1102, LT-1103, LT-1202, and LT-1302) – Loading/Mixing.
- (8) Sources for the Adhesives Building Vacuum Pump Vent include the following: Adhesive Reactor Vessels Loading (FINs RT-1101, RT-1201, and RT-1301); Adhesive Letdown Tanks Loading (FINs LT-1102, LT-1103, LT-1202, and LT-1302); Adhesive Drum/Tote Loading (FIN ADH-LOAD); Adhesives Used Solvent Drum Loading (FIN ADH-SOLV-LOAD); Curing Agent Mixing Vessels Loading/Mixing/Solvent Cleaning (FINs ST-1108 and ST-1109); Curing Agent Pail/Can Loading (FIN CA-LOAD); Curing Agent Used Cleaning Solvent Drum Loading (FIN CA-SOLV-LOAD); Curing Agent Filter Replacement (FIN CAFILTER); and Adhesives Building – 2<sup>nd</sup> and 3<sup>rd</sup> Floor Piping Component Fugitives (FIN FUG2).
- (9) The short-term and annual emission rates are effective until February 28, 2022.
- (10) The short-term and annual emission rates are effective from March 1, 2022 and thereafter.

Date: February 9, 2021