

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	Bulk Storage Tank T-1 Vent	VOC	8.18	0.28
ST-9102	Bulk Storage Tank T-2 Vent	VOC	0.75	0.01
ST-9103	Bulk Storage Tank T-3 Vent	VOC	0.04	<0.01
ST-9104	Bulk Storage Tank T-4 Vent	VOC	2.60	0.03
FUG1	Piping Component Fugitives	VOC	0.23	1.01
DTV	Day Tanks System Vent (6)	VOC	3.17	0.53
VP-1101	Adhesive Bldg Vacuum Pump Vent	VOC	4.50	1.36
		PM	1.75	0.22
		PM ₁₀	1.05	0.13
		PM _{2.5}	0.44	0.06
ST-9132	Adhesive Bldg Reactor/Condenser Vent (7)	VOC	10.61	6.11
EFAA	Adhesive Bldg Roof Vents	VOC	1.83	1.15
		PM	0.07	0.01
		PM ₁₀	0.04	0.01
		PM _{2.5}	0.02	<0.01
DC-0902	Ink Bldg Dust Collector Vent	VOC	4.42	2.44
		PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
EX-0905	Ink Bldg Exhaust Vent	VOC	5.37	3.01

Permit Amendment
Source Analysis & Technical Review

Permit No. 81030
Page 2

Regulated Entity No. RN105156707

EFGI-1	Solvent Ink Bldg Roof Vents	VOC	0.65	1.30
		PM	0.06	0.01
		PM ₁₀	0.03	0.01
		PM _{2.5}	0.01	<0.01
DC-0903	Water Ink Bldg Dust Collector Vent	VOC	0.12	0.17
		PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<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 ₁₀	0.02	<0.01
		PM _{2.5}	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 ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
		NO _x	0.22	0.94
		CO	0.18	0.79
		SO ₂	<0.01	0.01
EGEN	Emergency Generator	VOC	1.32	0.33
		PM	1.17	0.29
		PM ₁₀	1.17	0.29
		PM _{2.5}	1.17	0.29
		NO _x	16.52	4.13
		CO	3.56	0.89

Permit Amendment

Source Analysis & Technical Review

Permit No. 81030
Page 3

Regulated Entity No. RN105156707

		SO ₂	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 PM₁₀ and PM_{2.5}
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - 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 day tanks (FINs ST-1104, ST-1105, ST-1107, ST-1108, ST-1204, ST-1205, and ST-9131) located within the Adhesive Manufacturing Bldg.
- (7) Total hourly and annual emissions include all condensers (IDs CRT-1101, CLT-1102, CLT-1103, CRT-1201, and CLT1202) located within the Adhesive Manufacturing Bldg.

Date: March 9, 2017