

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20600

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)
TO1	Regenerative Thermal Oxidizer (Combined emissions from the Mix Room, Fill Room 2, Fill Room 3, and Aerosol Can Piercing)	VOC	0.27	0.40
		ES	7.02	9.39
		PM	0.06	0.03
		PM ₁₀	0.06	0.03
		PM _{2.5}	0.06	0.03
		VOC *	0.03	0.13
		NO _x *	0.49	2.88
		CO *	0.41	2.00
		SO ₂ *	<0.01	0.01
		PM *	0.05	0.23
		PM ₁₀ *	0.04	0.21
		PM _{2.5} *	0.04	0.18
R TANKS	Combined emissions from Indoor Resin Storage Tanks (EPNs R1, R2, R3, R4, R5, and R6)	VOC	18.41	0.44
GH2 and GH3	Combined emissions from Gas House 2 and Gas House 3	VOC	33.88	76.73
P TANKS	Combined emissions from Propellant Storage Tanks (EPNs P1, P2, P3, and P4)	VOC	2.85	0.46
OT TANKS	Combined emissions from Outdoor Liquid Storage Tanks (EPNs OT1-OT11)	VOC	32.27	0.44
		ES	94.47	7.10
OT FUG	Combined fugitive emissions from Outdoor Tanks (EPNs OT1-OT11)	VOC	0.26	1.13
		ES	0.10	0.44

Emission Sources - Maximum Allowable Emission Rates

R FUG	Combined fugitive emissions from the Resin Tank Building (EPNs R1, R2, R3, R4, R5, and R6)	VOC	0.09	0.38
SOLV	Solvent Usage	ES	3.69	16.16
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00
		Total HAP	---	<25.00

*Products of combustion emissions

- (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) ES
 - exempt solvents are carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
- VOC
 - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NOx
 - total oxides of nitrogen
- CO
 - carbon monoxide
- SO2
 - sulfur dioxide
- 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
- 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 (tons per year) is based on a 12 month rolling period.
- (5) Allowable emissions for all sources include emissions from planned maintenance, startup and shutdown activities.

Date: January 30, 2024