

Emission Sources - Maximum Allowable Emission Rates

Permit Number 109404

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)
002001H1	BLD2-Booth #1 Cure Oven	VOC	0.02	0.07
		PM	0.02	0.09
		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
		NO _x	0.28	1.25
		CO	0.24	1.05
		SO ₂	<0.01	0.01
002001H2	BLD2-Booth #2 Cure Oven	VOC	0.02	0.07
		PM	0.02	0.09
		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
		NO _x	0.28	1.25
		CO	0.24	1.05
		SO ₂	<0.01	0.01
002001P1	BLD2-Booth #1 Paint	VOC	59.25	-
		PM	<0.01	-
		PM ₁₀	<0.01	-
		PM _{2.5}	<0.01	-
002001P2	BLD2-Booth #2 Paint	VOC	59.25	-
		PM	<0.01	-
		PM ₁₀	<0.01	-

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		PM _{2.5}	<0.01	-
002001P1 & 002001P2	BLD2-Booth #1 & 2 Paint	VOC	-	12.20
		PM	-	<0.01
		PM ₁₀	-	<0.01
		PM _{2.5}	-	<0.01
B002FE	Building 2 Assembly/Bond	VOC	106.18	19.28
		Exempt Solvent	3.57	1.43
002005P1	BLD2 Paint Mix Room #1	VOC	1.19	0.24
002005P2	BLD2 Paint Mix Room #2	VOC	1.19	0.24
002002H1	BLD2-Autoclave 1	VOC	0.08	0.34
		PM	0.11	0.48
		PM ₁₀	0.11	0.48
		PM _{2.5}	0.11	0.48
		NO _x	1.43	6.27
		CO	1.20	5.27
		SO ₂	0.01	0.04
002002H2	BLD2-Autoclave 2	VOC	0.08	0.34
		PM	0.11	0.48
		PM ₁₀	0.11	0.48
		PM _{2.5}	0.11	0.48
		NO _x	1.43	6.27
		CO	1.20	5.27
		SO ₂	0.01	0.04
002002H3	BLD2-Autoclave 3	VOC	0.08	0.34
		PM	0.11	0.48
		PM ₁₀	0.11	0.48

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		PM _{2.5}	0.11	0.48
		NO _x	1.43	6.27
		CO	1.20	5.27
		SO ₂	0.01	0.04
002004H1	BLD2-Polyimide Cure Oven #1	VOC	0.02	0.08
		PM	0.03	0.11
		PM ₁₀	0.03	0.11
		PM _{2.5}	0.03	0.11
		NO _x	0.34	1.50
		CO	0.29	1.26
		SO ₂	<0.01	0.01
002005H1	BLD2-895 Oven	VOC	0.01	0.06
		PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	0.02	0.08
		NO _x	0.25	1.07
		CO	0.21	0.90
		SO ₂	<0.01	<0.01
002006H1	BLD2-Liquid Nitrogen Vaporizer #1	VOC	0.04	0.19
		PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
		NO _x	0.78	3.44
		CO	0.66	2.89
		SO ₂	<0.01	0.02

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002007H1	BLD2-Liquid Nitrogen Vaporizer #2	VOC	0.04	0.19
		PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
		NO _x	0.78	3.44
		CO	0.66	2.89
		SO ₂	<0.01	0.02
All Emission Points at the Site	All sources at the Site	Single HAP	-	<10.00
		Total HAP	-	<25.00

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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 Title 30 Texas Administrative Code § 101.1
ES - exempt solvent; those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound
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
SO₂ - sulfur dioxide
CO - carbon monoxide
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) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: July 23, 2019