

Emission Sources - Maximum Allowable Emission Rates

Permit Number 3051

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 (8)	
			lbs/hour	TPY (4)
1A	Perchloroethylene Storage Tank	Perchloroethylene	9.74	0.06
4	Open Top Vapor Degreasers, Wipe Solvent, and Piping Fugitives	VOC	7.92	13.49
		Perchloroethylene	9.92	22.90
		Exempt Solvent (6)	6.64	9.99
4	Media Blast Units and Shot Peen Units	PM	0.34	1.47
		PM ₁₀	0.34	1.47
		PM _{2.5}	0.34	1.47
5A	Conveyorized Paint Booth	VOC	23.91	11.48
		Exempt Solvent	24.71	6.85
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
5B	Assembly Paint Booth	VOC	30.75	14.77
		Exempt Solvent	24.71	6.85
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01

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5C	Lube Lock Booth	VOC	7.50	2.50
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
5D	Electric Oven	VOC	3.42	1.64
5E	Paint Booth	VOC	16.14	6.44
		Exempt Solvent	12.36	5.19
		PM	0.10	0.01
		PM ₁₀	0.10	0.01
		PM _{2.5}	0.10	0.01
5F	Natural Gas-fired Conveyor Oven (1.62 MMBtu/hr)	VOC	10.25	4.92
		NO _x	0.16	0.71
		CO	0.03	0.15
		SO ₂	<0.01	<0.01
		TOC	0.01	0.06
		PM ₁₀ (5)	0.02	0.08
		PM _{2.5} (5)	0.02	0.08
5G	Fill and Drain Booth and Clean Booth	VOC	27.18	7.42
		Exempt Solvent	0.74	2.07
5H	Paint Booth (7)	VOC	16.14	9.73
		Exempt Solvent	12.36	4.00
		PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06
5I	Downdraft Paint Booth and Natural Gas-fired	VOC	16.14	6.44

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		Exempt Solvent	12.36	5.19
		PM/PM ₁₀ /PM _{2.5}	<0.01	<0.01
		NO _x	0.15	0.66
		CO	0.12	0.54
		SO ₂	<0.01	<0.01
		VOC (5)	0.02	0.07
		PM ₁₀ (5)	0.01	0.05
		PM _{2.5} (5)	0.01	0.05
PATCHTST	Patch Test/Naphtha Flush Booth and Natural Gas-fired Air Makeup Unit (1.21 MMBtu/hr)	VOC	21.30	4.94
		NO _x	0.12	0.52
		CO	0.10	0.44
		SO ₂	<0.01	<0.01
		TOC	<0.01	0.03
		PM ₁₀ (5)	0.01	0.04
		PM _{2.5} (5)	0.01	0.04
CHEMLINES	Alodine Tanks (D-101 and R-107)	Chromium Compounds	0.000005	0.00002

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) Exempt Solvent - Those 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
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - TOC - total organic carbons from combustion
 - 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
 - CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Products of combustion.
- (6) Excluding perchloroethylene.
- (7) Previously authorized by Permit by Rule Registration No. 84277 on April 4, 2008.

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(8) The allowable emission rates include planned maintenance, startup, and shutdown activities.

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