

Emission Sources - Maximum Allowable Emission Rates

Permit Number 56708

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 (7)	
			lbs/hour	TPY (4)
1	Main Pad Area - Painting	VOC	173.12	
		Exempt Solvents	33.92	
		PM	3.06	
		PM ₁₀	0.20	
		PM _{2.5}	0.02	
	Main Pad Area - Abrasive Blasting	PM	11.44	
		PM ₁₀	1.36	
		PM _{2.5}	0.10	
2	Marine Railway Area- Painting	VOC	86.56	
		Exempt Solvents	16.96	
		PM	1.53	
		PM ₁₀	0.10	
		PM _{2.5}	0.01	
	Marine Railway Area- Abrasive Blasting	PM	5.72	
		PM ₁₀	0.68	
		PM _{2.5}	0.05	

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3	Warehouse 2 - Painting	VOC	5.41	
		Exempt Solvents	1.06	
		PM	0.10	
		PM ₁₀	0.01	
		PM _{2.5}	<0.01	
4	Dockside Area- Painting	VOC	86.56	
		Exempt Solvents	16.96	
		PM	1.53	
		PM ₁₀	0.10	
		PM _{2.5}	0.01	
	Dockside Area- Abrasive Blasting	PM	2.86	
		PM ₁₀	0.34	
		PM _{2.5}	0.03	
5	Drydock 1- Painting	VOC	173.12	
		Exempt Solvents	33.92	
		PM	3.06	
		PM ₁₀	0.20	
		PM _{2.5}	0.02	
	Drydock 1- Abrasive Blasting	PM	11.44	
		PM ₁₀	1.36	
		PM _{2.5}	0.10	
6	Drydock 2- Painting	VOC	173.12	
		Exempt Solvents	33.92	

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		PM	3.06	
		PM ₁₀	0.20	
		PM _{2.5}	0.02	
	Drydock 2- Abrasive Blasting	PM	11.44	
		PM ₁₀	1.36	
		PM _{2.5}	0.10	
7	Main Fabrication Building- Painting	VOC	86.56	
		Exempt Solvents	16.96	
		PM	1.53	
		PM ₁₀	0.10	
		PM _{2.5}	0.01	
	Main Fabrication Building- Abrasive Blasting	PM	2.86	
		PM ₁₀	0.34	
		PM _{2.5}	0.03	
1/2	Various- Painting	VOC	173.12	
		Exempt Solvents	33.92	
		PM	3.06	
		PM ₁₀	0.20	
		PM _{2.5}	0.02	
5/6	Various- Painting	VOC	173.12	
		Exempt Solvents	33.92	
		PM	3.06	
		PM ₁₀	0.20	

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		PM _{2.5}	0.02	
1/2/3/4/5/6/7	Various- Painting	VOC	432.80	39.30
		Exempt Solvents	84.8	12.35
		PM	7.64	0.45
		PM ₁₀	0.50	0.03
		PM _{2.5}	0.04	<0.01
1/2	Various- Abrasive Blasting	PM	11.44	
		PM ₁₀	1.36	
		PM _{2.5}	0.10	
5/6	Various- Abrasive Blasting	PM	11.44	
		PM ₁₀	1.36	
		PM _{2.5}	0.10	
1/2/4/5/6/7	Various- Abrasive Blasting	PM	28.60	5.72
		PM ₁₀	3.40	0.68
		PM _{2.5}	0.25	0.05
9	Main Pad Area Hopper	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
10	Drydock Area Hopper	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
All (Site-Wide)	Various	Single HAP		<10.00
		Total HAPs		<25.00

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

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- (2) Specific point source name. For fugitive sources, use area name or fugitive 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.
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|-------------------|---|
| VOC | - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 |
| PM | - total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} |
| PM ₁₀ | - 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) These HAP limits are being included so that a Title V permit is not required; however, due to the EPA's "once-in always-in" policy, the requirements of 40 CFR Part 63, Subpart II (National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)) and Subpart JJ (National Emission Standards for Wood Furniture Manufacturing Operations) are applicable since this permit has never had enforceable HAP limits.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (7) The allowable emission rates include emissions from planned maintenance, startup, and shutdown activities.

Date: February, 19 2014