

Emission Sources - Maximum Allowable Emission Rates

Permit Number 47227

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)
BLSTRCV	Bulk Blast Media Receipt Vented to a Dust Collector	PM	0.06	0.01
		PM ₁₀	0.06	0.01
		PM _{2.5}	0.06	0.01
BLSTPOT	Blast Pot Filling Vented to a Dust Collector	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
BLSTCLNFUG	Blast Media Cleanup	PM	0.09	0.03
		PM ₁₀	0.04	0.01
		PM _{2.5}	<0.01	<0.01
Thermal Spray Operations				
TSAOPFUG	Outdoor Thermal Spray	PM	3.30	14.50
		PM ₁₀	2.64	11.60
		PM _{2.5}	2.64	11.60

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TSABTH	Thermal Spray Application Spray Booth	PM	0.07	-
		PM ₁₀	0.07	-
		PM _{2.5}	0.07	-
		PM (Combustion)	0.02	-
		PM ₁₀ (Combustion)	0.02	-
		PM _{2.5} (Combustion)	0.02	-
		VOC (Combustion)	0.02	-
		NO _x	0.12	-
		CO	0.73	-
		SO ₂	<0.01	-
TSAOPFUG/TSABTH	Thermal Spray Operations	PM	3.30	14.50
		PM ₁₀	2.64	11.60
		PM _{2.5}	2.64	11.60
		PM (Combustion)	0.02	0.10
		PM ₁₀ (Combustion)	0.02	0.10
		PM _{2.5} (Combustion)	0.02	0.10
		VOC (Combustion)	0.02	0.07
		NO _x	0.12	0.52
		CO	0.73	3.19
		SO ₂	<0.01	<0.01
Blasting Operations				

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PANEL 1	Large Coating and Blasting Booth, Stacks 1-6 (Blasting Only)	PM	0.07	-
PANEL 2		PM ₁₀	0.07	-
PANEL 3		PM _{2.5}	0.07	-
PANEL 4				
PANEL 5				
PANEL 6				
BLSTOPFUG	Zone 1 Outdoor Blasting	PM	14.30	-
		PM ₁₀	1.70	-
		PM _{2.5}	0.26	-
	Zone 2 Outdoor Blasting	PM	8.58	-
		PM ₁₀	1.02	-
		PM _{2.5}	0.15	-
	Zone 3 Outdoor Blasting	PM	2.86	-
		PM ₁₀	0.34	-
		PM _{2.5}	0.05	-
	Zone 4 Outdoor Blasting	PM	2.86	-
		PM ₁₀	0.34	-
		PM _{2.5}	0.05	-
PANELS 1-6, BLSTOPFUG	Sitewide Abrasive Blasting Operations	PM	28.60	42.90
		PM ₁₀	3.40	5.10
		PM _{2.5}	0.51	0.77

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Coating Operations

PANEL 1	Large Coating and Blasting Booth, Stacks 1-6 (Coating Only)	VOC	161.00	-
PANEL 2		ES	66.00	-
PANEL 3		PM	0.07	-
PANEL 4		PM ₁₀	0.07	-
PANEL 5		PM _{2.5}	0.07	-
PANEL 6				
		PM (Combustion)	0.07	-
		PM ₁₀ (Combustion)	0.07	-
		PM _{2.5} (Combustion)	0.07	-
		VOC (Combustion)	0.05	-
		NO _x	0.36	-
		CO	2.18	-
		SO ₂	0.01	-
PAINTBTH1	Small Paint Booth No. 1	VOC	161.00	-
		ES	66.00	-
		PM	0.07	-
		PM ₁₀	0.07	-
		PM _{2.5}	0.07	-
		PM (Combustion)	0.02	-
		PM ₁₀ (Combustion)	0.02	-
		PM _{2.5} (Combustion)	0.02	-
		VOC (Combustion)	0.02	-
		NO _x	0.12	-
		CO	0.73	-

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SO ₂ <0.01 -					
PAINTBTH2	Small Paint Booth No. 2	VOC	161.00	-	
		ES	66.00	-	
		PM	0.07	-	
		PM ₁₀	0.07	-	
		PM _{2.5}	0.07	-	
		PM (Combustion)	0.02	-	
		PM ₁₀ (Combustion)	0.02	-	
		PM _{2.5} (Combustion)	0.02	-	
		VOC (Combustion)	0.02	-	
		NO _x	0.12	-	
		CO	0.73	-	
		SO ₂	<0.01	-	
		PANELs 1-6/PAINTBTH 1/	All Enclosed	VOC	-
			ES	-	27.50
	PM		-	0.92	
	PM ₁₀		-	0.92	
	PM _{2.5}		-	0.92	
	PM (Combustion)		-	0.49	
	PM ₁₀ (Combustion)		-	0.49	
	PM _{2.5} (Combustion)		-	0.49	
	VOC (Combustion)		-	0.35	
	NO _x		-	2.62	
	CO		-	15.93	

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COATOPFUG	Zone 1	SO ₂	-	0.04
		VOC	161.00	-
	Zone 3	ES	66.00	-
		PM	3.08	-
		PM ₁₀	2.62	-
		PM _{2.5}	0.46	-
		VOC	96.60	-
		ES	39.60	-
		PM	1.85	-
		PM ₁₀	1.57	-
		PM _{2.5}	0.28	-
		VOC	32.20	-
		ES	13.20	-
		PM	0.62	-
	Zone 4	PM ₁₀	0.52	-
		PM _{2.5}	0.09	-
		VOC	32.20	-
		ES	13.20	-
		PM	0.62	-
		PM ₁₀	0.52	-
		PM _{2.5}	0.09	-
PANELs 1-6/PAINTBTH 1/ PAINTBTH 2, COATOPFUG	VOC Site-wide Painting Operations- Large Coating and Blasting	322.00	200.00	

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		VOC (Combustion)	-	0.35
		NO _x	-	2.62
		CO	-	15.93
		SO ₂	-	0.04
COATOPFUG	Zone 1 Outdoor Surface Coating	VOC	161.00	-
		ES	66.00	-
		PM	3.08	-
		PM ₁₀	2.62	-
		PM _{2.5}	0.46	-
	Zone 2 Outdoor Surface Coating	VOC	96.60	-
		ES	39.60	-
		PM	1.85	-
		PM ₁₀	1.57	-
		PM _{2.5}	0.28	-
	Zone 3 Outdoor Surface Coating	VOC	32.20	-
		ES	13.20	-
		PM	0.62	-
		PM ₁₀	0.52	-
		PM _{2.5}	0.09	-
	Zone 4 Outdoor Surface Coating	VOC	32.20	-
		ES	13.20	-
		PM	0.62	-
		PM ₁₀	0.52	-
		PM _{2.5}	0.09	-
PANELs 1-6/PAINTBTH 1/	Sitewide	VOC	322.00	200.00

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	ES	132.00	100.00
	PM	6.17	26.94
	PM ₁₀	5.23	22.90
	PM _{2.5}	0.92	4.04
	PM (Combustion)	0.11	0.49
	PM ₁₀ (Combustion)	0.11	0.49
	PM _{2.5} (Combustion)	0.11	0.49
	VOC (Combustion)	0.08	0.35
	NO _x	0.60	2.62
	CO	3.64	15.93
	SO ₂	0.01	0.04

- (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 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
- 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

- (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: May 27, 2016