

# 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 or 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 (6)	
			lbs/hour	TPY (4)
BLSTRCV	Bulk Blast Media Receipt Vented to a Dust Collector	PM	0.06	0.01
		PM <sub>10</sub>	0.06	0.01
		PM <sub>2.5</sub>	0.06	0.01
BLSTPOT	Blast Pot Filling Vented to a Dust Collector	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
BLSTCLNFUG	Blast Media Cleanup	PM	0.09	0.03
		PM <sub>10</sub>	0.04	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
Thermal Spray Operations				
TSAOPFUG	Outdoor Thermal Spray	PM	3.30	14.50
		PM <sub>10</sub>	2.64	11.60
		PM <sub>2.5</sub>	2.64	11.60
TSABTH	Thermal Spray Application Spray Booth	PM	0.07	---
		PM <sub>10</sub>	0.07	---
		PM <sub>2.5</sub>	0.07	---
		PM (Combustion)	0.02	---
		PM <sub>10</sub> (Combustion)	0.02	---
		PM <sub>2.5</sub> (Combustion)	0.02	---
		VOC (Combustion)	0.02	---
		NO <sub>x</sub>	0.12	---
		CO	0.73	---
		SO <sub>2</sub>	<0.01	---
TSAOPFUG/TSABTH	Thermal Spray Operations	PM	3.30	14.50
		PM <sub>10</sub>	2.64	11.60

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		PM <sub>2.5</sub>	2.64	11.60
		PM (Combustion)	0.02	0.10
		PM <sub>10</sub> (Combustion)	0.02	0.10
		PM <sub>2.5</sub> (Combustion)	0.02	0.10
		VOC (Combustion)	0.02	0.07
		NO <sub>x</sub>	0.12	0.52
		CO	0.73	3.19
		SO <sub>2</sub>	<0.01	<0.01
Abrasive Blasting				
PANEL 1 PANEL 2 PANEL 3 PANEL 4 PANEL 5 PANEL 6	Large Coating and Blasting Booth, Stacks 1-6 (Blasting Only)	PM	0.07	---
PM <sub>10</sub>		0.07	---	
PM <sub>2.5</sub>		0.07	---	
BLSTOPFUG	Zone 1 Outdoor Abrasive Blasting Daytime Operations	PM	0.29	---
		PM <sub>10</sub>	0.03	---
		PM <sub>2.5</sub>	<0.01	---
BLSTOPFUG	Zone 1 Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	0.29	---
		PM <sub>10</sub>	0.03	---
		PM <sub>2.5</sub>	<0.01	---
BLSTOPFUG	Zone 2 Outdoor Abrasive Blasting Daytime Operations	PM	2.57	---
		PM <sub>10</sub>	0.31	---
		PM <sub>2.5</sub>	0.05	---
BLSTOPFUG	Zone 2 Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	2.00	---
		PM <sub>10</sub>	0.24	---
		PM <sub>2.5</sub>	0.04	---
BLSTOPFUG	Zone 3A Outdoor Abrasive Blasting Daytime Operations	PM	2.29	---
		PM <sub>10</sub>	0.27	---
		PM <sub>2.5</sub>	0.04	---
BLSTOPFUG	Zone 3A Outdoor Abrasive Blasting Nighttime Operations	PM	0.57	---
		PM <sub>10</sub>	0.07	---

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		PM <sub>2.5</sub>	0.01	---
BLSTOPFUG	Zone 3B Outdoor Abrasive Blasting Daytime Operations	PM	2.29	---
		PM <sub>10</sub>	0.27	---
		PM <sub>2.5</sub>	0.04	---
BLSTOPFUG	Zone 3B Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	0.57	---
		PM <sub>10</sub>	0.07	---
		PM <sub>2.5</sub>	0.01	---
BLSTOPFUG	Zone 3C Outdoor Abrasive Blasting Daytime Operations	PM	2.29	---
		PM <sub>10</sub>	0.27	---
		PM <sub>2.5</sub>	0.04	---
BLSTOPFUG	Zone 3C Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	0.57	---
		PM <sub>10</sub>	0.07	---
		PM <sub>2.5</sub>	0.01	---
BLSTOPFUG	Zone 3D Outdoor Abrasive Blasting Daytime Operations	PM	1.14	---
		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
BLSTOPFUG	Zone 3D Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	0.57	---
		PM <sub>10</sub>	0.07	---
		PM <sub>2.5</sub>	0.01	---
BLSTOPFUG	Zone 4 Outdoor Abrasive Blasting Daytime Operations	PM	1.14	---
		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
BLSTOPFUG	Zone 4 Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	1.14	---
		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
BLSTOPFUG	Zone 5 Outdoor Abrasive Blasting Daytime Operations	PM	1.14	---
		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
BLSTOPFUG	Zone 5 Outdoor Abrasive Blasting	PM	1.14	---

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		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
BLSTOPFUG	Zone 6 Outdoor Abrasive Blasting Daytime Operations	PM	1.14	---
		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
BLSTOPFUG	Zone 6 Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	1.14	---
		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
BLSTOPFUG	Zone 7 Outdoor Abrasive Blasting Daytime Operations	PM	0.29	---
		PM <sub>10</sub>	0.03	---
		PM <sub>2.5</sub>	<0.01	---
BLSTOPFUG	Zone 7 Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	0.29	---
		PM <sub>10</sub>	0.03	---
		PM <sub>2.5</sub>	<0.01	---
BLSTOPFUG	Zone 8 Outdoor Abrasive Blasting Daytime Operations	PM	1.14	---
		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
BLSTOPFUG	Zone 8 Outdoor Abrasive Blasting Nighttime Operations With Shrouds	PM	1.14	---
		PM <sub>10</sub>	0.14	---
		PM <sub>2.5</sub>	0.02	---
PANELs 1-6, BLSTOPFUG	Sitewide Abrasive Blasting Daytime Operations	PM	15.80	---
		PM <sub>10</sub>	1.94	---
		PM <sub>2.5</sub>	0.35	---
PANELs 1-6, BLSTOPFUG	Sitewide Abrasive Blasting Nighttime Operations	PM	9.51	---
		PM <sub>10</sub>	1.12	---
		PM <sub>2.5</sub>	0.24	---
PANELs 1-6, BLSTOPFUG	Sitewide Abrasive Blasting Operations	PM	---	42.90
		PM <sub>10</sub>	---	5.10
		PM <sub>2.5</sub>	---	0.77

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Coating Operations				
PANEL 1 PANEL 2 PANEL 3 PANEL 4 PANEL 5 PANEL 6	Large Coating and Blasting Booth, Stacks 1-6 (Coating Only)	VOC	600.00	---
		ES	264.00	---
		PM	0.06	---
		PM <sub>10</sub>	<0.01	---
		PM <sub>2.5</sub>	<0.01	---
		PM (Combustion)	0.07	---
		PM <sub>10</sub> (Combustion)	0.07	---
		PM <sub>2.5</sub> (Combustion)	0.07	---
		VOC (Combustion)	0.05	---
		NO <sub>x</sub>	0.36	---
		CO	2.18	---
		SO <sub>2</sub>	0.01	---
PAINTBTH1-2	Small Paint Booth No. 1 and No. 2	VOC	320.00	---
		ES	140.80	---
		PM	0.03	---
		PM <sub>10</sub>	<0.01	---
		PM <sub>2.5</sub>	<0.01	---
		PM (Combustion)	0.02	---
		PM <sub>10</sub> (Combustion)	0.02	---
		PM <sub>2.5</sub> (Combustion)	0.02	---
		VOC (Combustion)	0.02	---
		NO <sub>x</sub>	0.12	---
		CO	0.73	---
		SO <sub>2</sub>	<0.01	---
PANELs 1-6/PAINTBTH 1/ PAINTBTH 2	All Enclosed Painting Operations- Large Coating Booth, Small Paint Booth No. 1, Small Paint Booth No. 2	VOC	---	55.00
		ES	---	27.50
		PM	---	0.92
		PM <sub>10</sub>	---	0.92

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		PM <sub>2.5</sub>	---	0.92
		PM (Combustion)	---	0.49
		PM <sub>10</sub> (Combustion)	---	0.49
		PM <sub>2.5</sub> (Combustion)	---	0.49
		VOC (Combustion)	---	0.35
		NO <sub>x</sub>	---	2.62
		CO	---	15.93
		SO <sub>2</sub>	---	0.04
COATOPFUG	Zone 1 Outdoor Surface Coating Daytime	VOC	40.00	---
		ES	17.60	---
		PM	0.85	---
		PM <sub>10</sub>	0.08	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 1 Outdoor Surface Coating Nighttime with Shrouds	VOC	40.00	---
		ES	17.60	---
		PM	0.85	---
		PM <sub>10</sub>	0.08	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 2 Outdoor Surface Coating Daytime	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 2 Outdoor Surface Coating Nighttime with Shrouds	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 3A Outdoor Surface Coating	VOC	80.00	---

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		ES	35.20	---
		PM	1.70	---
		PM <sub>10</sub>	0.15	---
		PM <sub>2.5</sub>	0.01	---
COATOPFUG	Zone 3A Outdoor Surface Coating Nighttime with Shrouds	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 3B Outdoor Surface Coating Daytime	VOC	160.00	---
		ES	70.40	---
		PM	3.40	---
		PM <sub>10</sub>	0.31	---
		PM <sub>2.5</sub>	0.02	---
COATOPFUG	Zone 3B Outdoor Surface Coating Nighttime with Shrouds	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 3C Outdoor Surface Coating Daytime	VOC	160.00	---
		ES	70.40	---
		PM	3.40	---
		PM <sub>10</sub>	0.31	---
		PM <sub>2.5</sub>	0.02	---
COATOPFUG	Zone 3C Outdoor Surface Coating Nighttime with Shrouds	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---
		PM <sub>2.5</sub>	<0.01	---

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COATOPFUG	Zone 3D Outdoor Surface Coating Daytime	VOC	120.00	---
		ES	52.80	---
		PM	2.55	---
		PM <sub>10</sub>	0.23	---
		PM <sub>2.5</sub>	0.02	---
COATOPFUG	Zone 3D Outdoor Surface Coating Nighttime with Shrouds	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 4 Outdoor Surface Coating Daytime	VOC	80.00	---
		ES	35.20	---
		PM	1.70	---
		PM <sub>10</sub>	0.15	---
		PM <sub>2.5</sub>	0.01	---
COATOPFUG	Zone 4 Outdoor Surface Coating Nighttime with Shrouds	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 5 Outdoor Surface Coating Daytime	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 5 Outdoor Surface Coating Nighttime with Shrouds	VOC	60.00	---
		ES	26.40	---
		PM	1.27	---
		PM <sub>10</sub>	0.12	---



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		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 6 Outdoor Surface Coating Daytime	VOC	100.00	---
		ES	44.00	---
		PM	2.12	---
		PM <sub>10</sub>	0.19	---
		PM <sub>2.5</sub>	0.01	---
COATOPFUG	Zone 6 Outdoor Surface Coating Nighttime with Shrouds	VOC	100.00	---
		ES	44.00	---
		PM	2.12	---
		PM <sub>10</sub>	0.19	---
		PM <sub>2.5</sub>	0.01	---
COATOPFUG	Zone 7 Outdoor Surface Coating Daytime	VOC	40.00	---
		ES	17.60	---
		PM	0.85	---
		PM <sub>10</sub>	0.08	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 7 Outdoor Surface Coating Nighttime with Shrouds	VOC	40.00	---
		ES	17.60	---
		PM	0.85	---
		PM <sub>10</sub>	0.08	---
		PM <sub>2.5</sub>	<0.01	---
COATOPFUG	Zone 8 Outdoor Surface Coating Daytime	VOC	160.00	---
		ES	70.40	---
		PM	3.40	---
		PM <sub>10</sub>	0.31	---
		PM <sub>2.5</sub>	0.02	---
COATOPFUG	Zone 8 Outdoor Surface Coating Nighttime with Shrouds	VOC	80.00	---
		ES	35.20	---
		PM	1.70	---

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		PM <sub>10</sub>	0.15	---
		PM <sub>2.5</sub>	0.01	---
PANELs 1-6/PAINTBTH 1/ PAINTBTH 2, COATOPFUG	PANELs 1-6/PAINTBTH 1/ PAINTBTH 2, COATOPFUG Daytime	VOC	1980.00	---
		ES	871.20	---
		PM	22.61	---
		PM <sub>10</sub>	2.04	---
		PM <sub>2.5</sub>	0.16	---
		PM (Combustion)	0.11	---
		PM <sub>10</sub> (Combustion)	0.11	---
		PM <sub>2.5</sub> (Combustion)	0.11	---
		VOC (Combustion)	0.08	---
		NO <sub>x</sub>	0.60	---
		CO	3.64	---
		SO <sub>2</sub>	0.01	---
PANELs 1-6/PAINTBTH 1/ PAINTBTH 2, COATOPFUG	PANELs 1-6/PAINTBTH 1/ PAINTBTH 2, COATOPFUG Nighttime	VOC	1600.00	---
		ES	704.00	---
		PM	14.54	---
		PM <sub>10</sub>	1.31	---
		PM <sub>2.5</sub>	0.10	---
		PM (Combustion)	0.11	---
		PM <sub>10</sub> (Combustion)	0.11	---
		PM <sub>2.5</sub> (Combustion)	0.11	---
		VOC (Combustion)	0.08	---
		NO <sub>x</sub>	0.60	---
		CO	3.64	---
		SO <sub>2</sub>	0.01	---
PANELs 1-6/PAINTBTH 1/ PAINTBTH 2, COATOPFUG	PANELs 1-6/PAINTBTH 1/ PAINTBTH 2, COATOPFUG	VOC	---	200.00
		ES	---	100.00
		PM	---	26.94

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		PM <sub>10</sub>	---	22.90
		PM <sub>2.5</sub>	---	4.04
		PM (Combustion)	---	0.49
		PM <sub>10</sub> (Combustion)	---	0.49
		PM <sub>2.5</sub> (Combustion)	---	0.49
		VOC (Combustion)	---	0.35
		NO <sub>x</sub>	---	2.62
		CO	---	15.93
		SO <sub>2</sub>	---	0.04
EQCL	Equipment Cleaning Operations	VOC	2.93	5.50
		Exempt Solvent	2.88	5.40
FUGSTILL	Distillation Fugitives	VOC	0.54	2.37
		Exempt Solvent	0.53	2.33
PNTSTILL	Distillation Loading	VOC	0.10	0.06
		Exempt Solvent	0.10	0.06
SLVTNK	Solvent Tank	VOC	0.84	0.01
		Exempt Solvent	6.10	0.09

- (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) 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<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Emission rates include planned maintenance, startup and shutdown activities.
  - Daytime is defined as 7:00 AM to 7:00 PM
  - Nighttime is defined as 7:00 PM to 7:00 AM

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Date: September 16, 2019