

Emission Sources - Maximum Allowable Emission Rates

Permit Number 17973

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)
323-04-STP and 323-05-STP	Paint Booths Bldg 323	VOC	27.80	*
		PM	0.45	**
		PM ₁₀	0.45	**
		PM _{2.5}	0.45	**
		Exempt Solvent	19.32	***
323A-01-STP and 323A-02-STP	Paint Booths Bldg 323	VOC	28.90	*
		PM	0.45	**
		PM ₁₀	0.45	**
		PM _{2.5}	0.45	**
		Exempt Solvent	38.64	***
323A-01-STP(F) and 323A-02-STP(F)	Paint Booths Bldg 323 Fugitives	VOC	19.20	*
		Exempt Solvent	33.28	***
323A-03-STP	Paint Booth Bldg 323A	VOC	12.00	*
		PM	0.17	**
		PM ₁₀	0.17	**
		PM _{2.5}	0.17	**
		Exempt Solvent	8.90	***
323A-03-STO	Oven Bldg 323A	VOC	9.06	*
		Exempt Solvent	2.20	***
323A-06-STP	Paint Booth Bldg 323A	VOC	12.32	*
		PM	0.03	**
		PM ₁₀	0.03	**
		PM _{2.5}	0.03	**
		Exempt Solvent	5.56	***

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
323A-08-STP	Paint Booth Bldg 323	VOC	34.49	*
		PM	0.04	**
		PM ₁₀	0.04	**
		PM _{2.5}	0.04	**
		Exempt Solvent	19.33	***
345-01-STP	Paint Booth Bldg 345	VOC	13.80	*
		PM	0.13	**
		PM ₁₀	0.13	**
		PM _{2.5}	0.13	**
		Exempt Solvent	5.56	***
345-02-STP	Paint Booth Bldg 345	VOC	13.80	*
		PM	0.13	**
		PM ₁₀	0.13	**
		PM _{2.5}	0.13	**
		Exempt Solvent	5.56	***
357-01-STP and 360-01-STP	Paint Booths Bldg 357	VOC	42.10	*
		PM	0.45	**
		PM ₁₀	0.45	**
		PM _{2.5}	0.45	**
		Exempt Solvent	38.64	***
378-01-STP	Paint Booth Bldg 378	VOC	10.32	*
		PM	0.09	**
		PM ₁₀	0.09	**
		PM _{2.5}	0.09	**
		Exempt Solvent	8.22	***
378-01-STO	Oven Bldg 378	VOC	2.58	*
		Exempt Solvent	2.07	***

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
378-02-STP	Paint Booth Bldg 378	VOC	8.96	*
		PM	0.14	**
		PM ₁₀	0.14	**
		PM _{2.5}	0.14	**
		Exempt Solvent	16.60	***
378-02-STO	Oven Bldg 378	VOC	2.24	*
		Exempt Solvent	4.15	***
407-01-STP	Paint Booth Bldg 407	VOC	10.00	*
		PM	0.07	**
		PM ₁₀	0.07	**
		PM _{2.5}	0.07	**
		Exempt Solvent	6.28	***
412-01-STF	Bldg 412 Blast Booth/Heater (Routed to a Dust Collector)	PM (6)	0.01	0.04
		PM ₁₀ (6)	0.01	0.04
		PM _{2.5} (6)	0.01	0.04
		SO ₂	< 0.01	< 0.01
		NO _x	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
412-01-STP	Paint Booth/Heater Bldg 412	PM (6)	0.02	0.10
		PM ₁₀ (6)	0.02	0.10
		PM _{2.5} (6)	0.02	0.10
		SO ₂	< 0.01	0.01
		NO _x	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM	0.04	**
		PM ₁₀	0.04	**
		PM _{2.5}	0.04	**
		Exempt Solvent	17.40	***
412-01-STO	Oven Bldg 412	PM (6)	0.01	0.02
		PM ₁₀ (6)	0.01	0.02
		PM _{2.5} (6)	0.01	0.02
		SO ₂	< 0.01	< 0.01
		NO _x	0.07	0.30
		CO	0.06	0.25
		VOC (6)	< 0.01	0.02
		VOC	3.12	*
		Exempt Solvent	1.93	***

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
412-02-STF	Bldg 412 Blast Booth/Heater (Routed to a Dust Collector)	PM (6)	0.01	0.04
		PM ₁₀ (6)	0.01	0.04
		PM _{2.5} (6)	0.01	0.04
		SO ₂	< 0.01	< 0.01
		NO _x	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
412-02-STP	Paint Booth/Heater Bldg 412	PM (6)	0.02	0.10
		PM ₁₀ (6)	0.02	0.10
		PM _{2.5} (6)	0.02	0.10
		SO ₂	< 0.01	0.01
		NO _x	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM	0.04	**
		PM ₁₀	0.04	**
		PM _{2.5}	0.04	**
		Exempt Solvent	17.40	***

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
412-02-STO	Oven Bldg 412	PM (6)	0.01	0.02
		PM ₁₀ (6)	0.01	0.02
		PM _{2.5} (6)	0.01	0.02
		SO ₂	< 0.01	< 0.01
		NO _x	0.07	0.30
		CO	0.06	0.25
		VOC (6)	< 0.01	0.02
		VOC	3.12	*
		Exempt Solvent	1.93	***
412-03-STF	Bldg 412 Blast Booth/Heater (Routed to a Dust Collector)	PM (6)	0.01	0.04
		PM ₁₀ (6)	0.01	0.04
		PM _{2.5} (6)	0.01	0.04
		SO ₂	< 0.01	< 0.01
		NO _x	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM	0.001	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
412-03-STP	Paint Booth/Heater Bldg 412	PM (6)	0.02	0.10
		PM ₁₀ (6)	0.02	0.10
		PM _{2.5} (6)	0.02	0.10
		SO ₂	< 0.01	0.01
		NO _x	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM	0.04	**
		PM ₁₀	0.04	**
		PM _{2.5}	0.04	**
		Exempt Solvent	17.40	***
412-03-STO	Oven Bldg 412	PM (6)	0.01	0.02
		PM ₁₀ (6)	0.01	0.02
		PM _{2.5} (6)	0.01	0.02
		SO ₂	< 0.01	< 0.01
		NO _x	0.07	0.30
		CO	0.06	0.25
		VOC (6)	< 0.01	0.02
		VOC	3.12	*
		Exempt Solvent	1.93	***

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
412-04-STF	Bldg 412 Blast Booth/Heater (Routed to a Dust Collector)	PM (6)	0.01	0.04
		PM ₁₀ (6)	0.01	0.04
		PM _{2.5} (6)	0.01	0.04
		SO ₂	< 0.01	< 0.01
		NO _x	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
412-04-STP	Paint Booth/Heater Bldg 412	PM (6)	0.02	0.10
		PM ₁₀ (6)	0.02	0.10
		PM _{2.5} (6)	0.02	0.10
		SO ₂	< 0.01	0.01
		NO _x	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM	0.04	**
		PM ₁₀	0.04	**
		PM _{2.5}	0.04	**
		Exempt Solvent	17.40	***

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
412-04-STO	Oven Bldg 412	PM (6)	0.01	0.02
		PM ₁₀ (6)	0.01	0.02
		PM _{2.5} (6)	0.01	0.02
		SO ₂	< 0.01	< 0.01
		NO _x	0.07	0.30
		CO	0.06	0.25
		VOC (6)	< 0.01	0.02
		VOC	3.12	*
		Exempt Solvent	1.93	***
412-05-STF	Bldg 412 Blast Booth/Heater	PM (6)	0.01	0.04
		PM ₁₀ (6)	0.01	0.04
		PM _{2.5} (6)	0.01	0.04
		SO ₂	< 0.01	< 0.01
		NO _x	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
443-01-STP	Paint Booth Bldg 493	VOC	13.65	*
		PM	0.06	**
		PM ₁₀	0.06	**
		PM _{2.5}	0.06	**
		Exempt Solvent	24.15	***

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
493-01-STP and 493-01-STO (two stacks)	Paint Booth/Oven Bldg 493	VOC	9.95	*
		PM	0.18	**
		PM ₁₀	0.18	**
		PM _{2.5}	0.18	**
493-02-SVT	Mechanical Denuder Bldg 493	PM	0.06	0.02
		PM ₁₀	0.06	0.02
		PM _{2.5}	0.06	0.02
493-02-STF	Blast Booth Bldg 493	PM	0.04	0.12
		PM ₁₀	0.04	0.12
		PM _{2.5}	0.04	0.12
493-02-STO	Two Adhesive Booths	VOC	15.51	*
493-03-STF	Blast Booth Bldg 493	PM	0.04	0.12
		PM ₁₀	0.04	0.12
		PM _{2.5}	0.04	0.12
493-03-STO	Adhesive Booth Bldg 493	VOC	19.60	*
493-04-STF	Blast Booth Bldg 493 (Routed to a Dust Collector)	PM	0.12	0.14
		PM ₁₀	0.12	0.14
		PM _{2.5}	0.12	0.14
493-05-STF	Blast Booth Bldg 493 (Routed to a Dust Collector)	PM	0.12	0.14
		PM ₁₀	0.12	0.14
		PM _{2.5}	0.12	0.14
493-11-STO	Two Drying Ovens Bldg 493	VOC	3.56	*

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
495M-01-STO	Fluidized Bed Rubber Denuding System	PM	1.64	3.60
		PM ₁₀	1.64	3.60
		PM _{2.5}	1.64	3.60
		SO ₂	15.50	39.50
		NO _x	21.52	39.30
		CO	18.08	22.70
		VOC	3.90	11.80
		HCl	0.20	0.38
561-01-STF	Blast Booth/Heater Routed to a Dust Collector	PM (6)	0.01	0.04
		PM ₁₀ (6)	0.01	0.04
		PM _{2.5} (6)	0.01	0.04
		SO ₂	< 0.01	< 0.01
		NO _x	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
561-01-STP	Paint Booth/Heater Bldg 561	PM (6)	0.02	0.10
		PM ₁₀ (6)	0.02	0.10
		PM _{2.5} (6)	0.02	0.10
		SO ₂	< 0.01	0.01
		NO _x	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	28.03	*
		PM	0.03	**
		PM ₁₀	0.03	**
		PM _{2.5}	0.03	**
		Exempt Solvent	17.40	***
561-01-STO	Oven Bldg 561	PM (6)	0.01	0.02
		PM ₁₀ (6)	0.01	0.02
		PM _{2.5} (6)	0.01	0.02
		SO ₂	< 0.01	< 0.01
		NO _x	0.07	0.30
		CO	0.06	0.25
		VOC (6)	< 0.01	0.02
		VOC	2.75	*
		Exempt Solvent	1.93	***
591-01-STP	Paint Booth Bldg 591	VOC	18.80	*
		PM	0.20	**
		PM ₁₀	0.20	**
		PM _{2.5}	0.20	**
		Exempt Solvent	14.49	***

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
591-02-STP	Paint Booth Bldg 591	VOC	12.50	*
		PM	0.20	**
		PM ₁₀	0.20	**
		PM _{2.5}	0.20	**
		Exempt Solvent	14.49	***
591-03-STP	Paint Booth Bldg 591	VOC	11.00	*
		PM	0.07	**
		PM ₁₀	0.07	**
		PM _{2.5}	0.07	**
		Exempt Solvent	8.84	***
591-04-STP	Paint Booth Bldg 591	VOC	18.00	*
		PM	0.20	**
		PM ₁₀	0.20	**
		PM _{2.5}	0.20	**
		Exempt Solvent	10.29	***
591-04-STP(F)	Mixing All Bldg 591	VOC	3.10	*
		Exempt Solvent	3.10	***
595-01-STP	Paint Booth Bldg 595	VOC	7.80	*
		PM	0.07	**
		PM ₁₀	0.07	**
		PM _{2.5}	0.07	**
		Exempt Solvent	3.50	***
595-01-VAT	Dip Coating Vat	VOC	2.02	*

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
595-02-STP	Paint Booth Bldg 595	VOC	8.06	*
		PM	0.07	**
		PM ₁₀	0.07	**
		PM _{2.5}	0.07	**
		Exempt Solvent	21.11	***
595-02-STO	Oven Bldg 595	VOC	3.94	*
		Exempt Solvent	23.33	***
595-03-STP	Paint Booth Bldg 595	VOC	4.70	*
		PM	0.07	**
		PM ₁₀	0.07	**
		PM _{2.5}	0.07	**
		Exempt Solvent	21.11	***
595-03-STO	Drying Oven	VOC	3.10	*
		Exempt Solvent	23.33	***
595-04-STO	Paint Mixing Room	VOC	0.20	*
		Exempt Solvent	0.10	***
595-05-STO	Paint Mixing Room	VOC	0.20	*
		Exempt Solvent	0.10	***
595-05-VAT	Dip Coating Vat	VOC	6.86	*
595-05-FUG	Dip Coating Vat Fugitives	VOC	0.40	*
595-05-STO1 and 595-05-STO2	Oven	PM (6)	0.01	0.03
		PM ₁₀ (6)	0.01	0.03
		PM _{2.5} (6)	0.01	0.03
		SO ₂	< 0.01	< 0.01
		NO _x	0.08	0.34
		CO	0.07	0.29
		VOC (6)	< 0.01	0.02
		VOC	0.81	*

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
595-10-VAT	Dip Coating Vat	VOC	2.02	*
939-01-STP	Paint Booth Bldg 939	VOC	7.80	*
		PM	0.07	**
		PM ₁₀	0.07	**
		PM _{2.5}	0.07	**
		Exempt Solvent	2.88	***
1130-01-STP, 1130-02-STP, 1130-03-STP, and 1130-04-STP	Paint Booths Bldg 1130	VOC	18.80	*
		PM	0.29	**
		PM ₁₀	0.29	**
		PM _{2.5}	0.29	**
		Exempt Solvent	11.56	***
1130-01-STP(F), 1130-02-STP(F), 1130-03-STP(F), and 1130-04-STP(F)	Paint Mixing Bldg 1130	VOC	12.60	*
		Exempt Solvent	5.40	***
1172-01-STP	Paint Booth	VOC	4.70	*
		PM	0.07	**
		PM ₁₀	0.07	**
		PM _{2.5}	0.07	**
		Exempt Solvent	2.89	***
1172-01-STP(F)	Paint Booth Bldg 1172	VOC	3.10	*
		Exempt Solvent	1.93	***

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
1184-01-STP	Paint Booth/Heater Bldg 1184	PM (6)	0.01	0.03
		PM ₁₀ (6)	0.01	0.03
		PM _{2.5} (6)	0.01	0.03
		SO ₂	< 0.01	< 0.01
		NO _x	0.10	0.43
		CO	0.08	0.36
		VOC (6)	0.01	0.02
		VOC	21.64	*
		PM	0.02	**
		PM ₁₀	0.02	**
		PM _{2.5}	0.02	**
		Exempt Solvent	9.66	***
1184-02-STP	Paint Booth/Heater Bldg 1184	PM (6)	0.01	0.03
		PM ₁₀ (6)	0.01	0.03
		PM _{2.5} (6)	0.01	0.03
		SO ₂	0.001	< 0.01
		NO _x	0.10	0.43
		CO	0.08	0.36
		VOC (6)	0.01	0.02
		VOC	21.64	*
		PM	0.02	**
		PM ₁₀	0.02	**
		PM _{2.5}	0.02	**
		Exempt Solvent	9.66	***
493-14-STO	Cleaning Vat North Deoxidizer Line Aluminum	Nitric Acid	< 0.01	< 0.01
493-15-STO	Cleaning Vat South Zinc Phosphate	Ethanol	< 0.01	< 0.01

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493-01-STP	Paint Booth Bldg 493	Exempt Solvent	4.22	***

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

STP - Stack, Paint Booth

SVT - Scrubber Vent

STF - Stack, Bag Filter, Cyclone, or Dust Collector

STO - Stack, Other (Adhesive Booth, Fluidized Bed, etc.)

(F) - Fugitive Emissions, no centralized stack or point of emission

(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_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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

HCl - hydrogen chloride

(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.

(6) Combustion emissions.

* The combined allowable VOC emission rate for these sources is 291.29 tons per year (tpy).

** The combined allowable PM₁₀/PM_{2.5} emission rate for these sources is 1.59 tpy.

*** The combined allowable ES emission rate for these sources is 156.63 tpy.

Date: August 27, 2020