

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 17973 and PSDTX1112

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	VOC	27.80	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.45	**
323A-01-STP and 323A-02-STP	Paint Booths	VOC	28.90	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.45	**
323A-01-STP(F) and 323A-02-STP(F)	Paint Booths	VOC	19.20	*
323A-03-STP	Paint Booth	VOC	12.00	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.17	**
323A-03-STO	Oven	VOC	9.06	*
		ES	5.56	***
323A-06-STP	Paint Booth	VOC	12.32	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.03	**
		ES	5.56	***
323A-08-STP	Paint Booth	VOC	34.49	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	**
		ES	19.33	***
345-01-STP	Paint Booth	VOC	13.80	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.13	**
345-02-STP	Paint Booth	VOC	13.80	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.13	**

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357-01-STP and 360-01-STP	Paint Booths	VOC	42.10	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.45	**
378-01-STP	Paint Booth	VOC	10.32	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.09	**
		ES	8.22	***
378-01-STO	Oven	VOC	2.58	*
		ES	2.07	***
378-02-STP	Paint Booth	VOC	8.96	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.14	**
		ES	16.60	***
378-02-STO	Oven	VOC	2.24	*
		ES	4.15	***
407-01-STP	Paint Booth	VOC	10.00	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.07	**
412-01-STF	Blast Booth/Heater Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.04
		SO <sub>2</sub>	0.001	0.003
		NO <sub>x</sub>	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.001	0.001

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412-01-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.02	0.10
		SO <sub>2</sub>	0.002	0.01
		NO <sub>x</sub>	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	**
		ES	17.40	***
412-01-STO	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.02
		SO <sub>2</sub>	0.0004	0.002
		NO <sub>x</sub>	0.07	0.30
		CO	0.06	0.25
		VOC (6)	0.004	0.02
		VOC	3.12	*
		ES	1.93	***
412-02-STF	Blast Booth/Heater Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.04
		SO <sub>2</sub>	0.001	0.003
		NO <sub>x</sub>	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.001	0.001

## Emission Sources - Maximum Allowable Emission Rates

412-02-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.02	0.10
		SO <sub>2</sub>	0.002	0.01
		NO <sub>x</sub>	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	**
		ES	17.40	***
412-02-STO	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.02
		SO <sub>2</sub>	0.0004	0.002
		NO <sub>x</sub>	0.07	0.30
		CO	0.06	0.25
		VOC (6)	0.004	0.02
		VOC	3.12	*
		ES	1.93	***
412-03-STF	Blast Booth/Heater Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.04
		SO <sub>2</sub>	0.001	0.003
		NO <sub>x</sub>	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.001	0.001

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412-03-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.02	0.10
		SO <sub>2</sub>	0.002	0.01
		NO <sub>x</sub>	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	**
		ES	17.40	***
412-03-STO	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.02
		SO <sub>2</sub>	0.0004	0.002
		NO <sub>x</sub>	0.07	0.30
		CO	0.06	0.25
		VOC (6)	0.004	0.02
		VOC	3.12	*
		ES	1.93	***
412-04-STF	Blast Booth/Heater Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.04
		SO <sub>2</sub>	0.001	0.003
		NO <sub>x</sub>	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.001	0.001

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412-04-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.02	0.10
		SO <sub>2</sub>	0.002	0.01
		NO <sub>x</sub>	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	**
		ES	17.40	***
412-04-STO	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.02
		SO <sub>2</sub>	0.0004	0.002
		NO <sub>x</sub>	0.07	0.30
		CO	0.06	0.25
		VOC (6)	0.004	0.02
		VOC	3.12	*
		ES	1.93	***
412-05-STF	Blast Booth/Heater Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.04
		SO <sub>2</sub>	0.001	0.003
		NO <sub>x</sub>	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.001	0.001

## Emission Sources - Maximum Allowable Emission Rates

412-05-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.02	0.10
		SO <sub>2</sub>	0.002	0.01
		NO <sub>x</sub>	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	31.36	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	**
		ES	17.40	***
412-05-STO	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.02
		SO <sub>2</sub>	0.0004	0.002
		NO <sub>x</sub>	0.07	0.30
		CO	0.06	0.25
		VOC (6)	0.004	0.02
		VOC	3.12	*
		ES	1.93	***

## Emission Sources - Maximum Allowable Emission Rates

412-06-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.04	0.19
		SO <sub>2</sub>	0.003	0.02
		NO <sub>x</sub>	0.58	2.55
		CO	0.49	2.14
		VOC (6)	0.03	0.14
		VOC	14.13	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.01	**
		ES	2.15	***
412-06-STO	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.02	0.08
		SO <sub>2</sub>	0.001	0.01
		NO <sub>x</sub>	0.25	1.07
		CO	0.21	0.90
		VOC (6)	0.01	0.06
		VOC	13.75	*
		ES	5.88	***
412-07-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.04	0.19
		SO <sub>2</sub>	0.003	0.02
		NO <sub>x</sub>	0.58	2.55
		CO	0.49	2.14
		VOC (6)	0.03	0.14
		VOC	13.01	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	**
		ES	6.67	***
412-07-STO	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.02	0.08
		SO <sub>2</sub>	0.001	0.01



## Emission Sources - Maximum Allowable Emission Rates

		NO <sub>x</sub>	0.25	1.07
		CO	0.21	0.90
		VOC (6)	0.01	0.06
		VOC	13.75	*
		ES	5.88	***
412-08-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.04	0.19
		SO <sub>2</sub>	0.003	0.02
		NO <sub>x</sub>	0.58	2.55
		CO	0.49	2.14
		VOC (6)	0.03	0.14
		VOC	14.13	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.01	**
		ES	2.15	***
412-09-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.04	0.19
		SO <sub>2</sub>	0.003	0.02
		NO <sub>x</sub>	0.58	2.55
		CO	0.49	2.14
		VOC (6)	0.03	0.14
		VOC	13.01	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	**
		ES	6.67	***
443-01-STP	Paint Booth	VOC	13.65	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.06	**
493-01-STP and 493-01-STO (two stacks)	Paint Booth	VOC	9.95	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.18	**

## Emission Sources - Maximum Allowable Emission Rates

493-02-SVT	Mechanical Denuder	PM <sub>10</sub> /PM <sub>2.5</sub>	0.06	0.02
493-02-STF	Blast Cleaning Booth Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	0.12
493-02-STO (will be replaced by 493-13-STO)	Two Adhesive Booths	VOC	15.51	*
493-03-STF	Blast Cleaning Booth Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub>	0.04	0.12
493-03-STO	Adhesive Booth	VOC	19.60	*
493-04-STF	Blast Cleaning Booth Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub>	0.12	0.14
493-05-STF	Blast Cleaning Booth Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub>	0.12	0.14
493-10-STO	Ridoline Cleaner and Chromate Conversion Vats	Acid		0.03
493-11-STO (will be replaced by 493-12-STO)	Two Drying Ovens	VOC	3.56	*
493-12-STO (will replace 493-11-STO)	Two Ovens	VOC	9.62	*
493-13-STO (will replace 493-02-STO)	Two Adhesive Spray Booths	VOC	42.25	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.003	**
495M-01-STO	Fluidized Bed Rubber Denuding System	PM <sub>10</sub> /PM <sub>2.5</sub>	1.64	3.60
		SO <sub>2</sub>	15.50	39.50
		NO <sub>x</sub>	21.52	39.30
		CO	18.08	22.70
		VOC	3.90	11.80
		HCl	0.20	0.38

Emission Sources - Maximum Allowable Emission Rates

561-01-STF	Blast Booth/Heater Routed to a Dust Collector	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.04
		SO <sub>2</sub>	0.001	0.003
		NO <sub>x</sub>	0.12	0.54
		CO	0.10	0.45
		VOC (6)	0.01	0.03
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.001	0.001
561-01-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.02	0.10
		SO <sub>2</sub>	0.002	0.01
		NO <sub>x</sub>	0.30	1.34
		CO	0.26	1.12
		VOC (6)	0.02	0.07
		VOC	28.03	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.03	**
		ES	17.40	***
561-01-STO	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.02
		SO <sub>2</sub>	0.0004	0.002
		NO <sub>x</sub>	0.07	0.30
		CO	0.06	0.25
		VOC (6)	0.004	0.02
		VOC	2.75	*
		ES	1.93	***
591-01-STP	Paint Booth	VOC	18.80	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.20	**

## Emission Sources - Maximum Allowable Emission Rates

591-02-STP	Paint Booth	VOC	12.50	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.20	**
591-03-STP	Paint Booth	VOC	11.00	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.07	**
591-04-STP	Paint Booth	VOC	18.00	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.20	**
591-04-STP(F)	Paint Booth	VOC	3.10	*
595-01-STP	Paint Booth	VOC	7.80	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.07	**
595-01-VAT	Dip Coating Vat	VOC	2.02	*
595-02-STP	Paint Booth	VOC	8.06	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.07	**
595-02-STO	Drying Oven	VOC	3.94	*
595-03-STP	Paint Booth	VOC	4.70	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.07	**
595-03-STO	Drying Oven	VOC	3.10	*
595-04-STO	Paint Mixing Room	VOC	0.20	*
595-05-STO	Paint Mixing Room	VOC	0.20	*
595-05-VAT	Dip Coating Vat	VOC	6.86	*
595-05-FUG	Dip Coating Vat Fugitives	VOC	0.40	*

## Emission Sources - Maximum Allowable Emission Rates

595-05-STO1 and 595-05-STO2	Oven	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.03
		SO <sub>2</sub>	0.0005	0.002
		NO <sub>x</sub>	0.08	0.34
		CO	0.07	0.29
		VOC (6)	0.004	0.02
		VOC	0.81	*
595-10-VAT	Dip Coating Vat	VOC	2.02	*
939-01-STP	Paint Booth	VOC	7.80	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.07	**
1122-01-STP	Paint Booth	VOC	4.70	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.07	**
1122-01-STP(F)	Paint Booth	VOC	3.10	*
1130-01-STP, 1130-02-STP, 1130-03-STP, and 1130-04-STP	Paint Booths	VOC	18.80	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.29	**
1130-01-STP(F), 1130-02-STP(F), 1130-03-STP(F), and 1130-04-STP(F)	Paint Booths	VOC	12.60	*
1172-01-STP	Paint Booth	VOC	4.70	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.07	**
1172-01-STP(F)	Paint Booth	VOC	3.10	*

## Emission Sources - Maximum Allowable Emission Rates

1184-01-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.03
		SO <sub>2</sub>	0.001	0.003
		NO <sub>x</sub>	0.10	0.43
		CO	0.08	0.36
		VOC (6)	0.01	0.02
		VOC	21.64	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	**
		ES	9.66	***
1184-02-STP	Paint Booth/Heater	PM <sub>10</sub> /PM <sub>2.5</sub> (6)	0.01	0.03
		SO <sub>2</sub>	0.001	0.003
		NO <sub>x</sub>	0.10	0.43
		CO	0.08	0.36
		VOC (6)	0.01	0.02
		VOC	21.64	*
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.02	**
		ES	9.66	***

(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) 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
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
- PM<sub>2.5</sub> - 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.

Emission Sources - Maximum Allowable Emission Rates

(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 315.29 tons per year (tpy).

\*\* The combined allowable PM<sub>10</sub>/PM<sub>2.5</sub> emission rate for these sources is 1.59 tpy.

\*\*\* The combined allowable ES emission rate for these sources is 64.47 tpy.

Date: July 12, 2013