

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 6414

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

Air Contaminants Data				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
TIER I – Before Construction of Booths 1 and 2				
E080	FRP Hand Layup Booth	Styrene	0.46	1.98
E081	FRP Reinforcing Booth	Styrene	0.60	2.59
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
E082	FRP Chopcoat Booth 1	Styrene	0.60	2.59
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
E083	FRP Chopcoat Booth 2	Styrene	0.60	2.59
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
E084	FRP Gelcoat Booth	Styrene	1.57	6.80
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
E110	ACR Chopcoat Booth 4	Styrene	7.09	30.60
		PM	0.57	2.50
		PM <sub>10</sub>	0.57	2.50
		PM <sub>2.5</sub>	0.57	2.50

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E111	ACR Chopcoat Booth 3	Styrene	7.09	30.60
		PM	0.57	2.50
		PM <sub>10</sub>	0.57	2.50
		PM <sub>2.5</sub>	0.57	2.50
E112	ACR Bondcoat Booth 1	Styrene	6.35	27.40
		PM	0.26	1.15
		PM <sub>10</sub>	0.26	1.15
		PM <sub>2.5</sub>	0.26	1.15
E113	ACR Chopcoat Booth 2	Styrene	7.09	30.60
		PM	0.57	2.50
		PM <sub>10</sub>	0.57	2.50
		PM <sub>2.5</sub>	0.57	2.50
FUG	Fugitives	VOC	25.40	113.00
TIER II – After Construction and in Full Commissioning of Booths 1 and 2				
E080	FRP Hand Layup Booth	Styrene	0.46	1.98
E081	FRP Reinforcing Booth	Styrene	0.60	2.59
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
E082	FRP Chopcoat Booth 1	Styrene	0.60	2.59
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
E083	FRP Chopcoat Booth 2	Styrene	0.60	2.59
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
E084	FRP Gelcoat Booth	Styrene	1.57	6.80
		PM	0.01	0.03

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		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
FUG	Fugitives	VOC (includes styrene)	15.33	67.15
		Styrene	< 0.001	< 0.001
BOOTH1a	Spray Coat Booth 1 Stack 1	VOC (includes styrene)	6.62	23.82
		Styrene	6.57	23.64
BOOTH1b	Spray Coat Booth 1 Stack 2	VOC (includes styrene)	6.62	23.82
		Styrene	6.57	23.64
BOOTH2a	Spray Coat Booth 2 Stack 1	VOC (includes styrene)	6.62	23.82
		Styrene	6.57	23.64
BOOTH2b	Spray Coat Booth 2 Stack 2	VOC (includes styrene)	6.62	23.82
		Styrene	6.57	23.64
ST1	Storage Tank 1	Styrene	0.22	< 0.01
ST2	Storage Tank 2	Styrene	0.22	< 0.01
ST3	Storage Tank 3	Styrene	0.22	< 0.01
GRIND1	Grinding Booth 1	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
GRIND2	Grinding Booth 2	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
GRIND3	Grinding Booth 3	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
BOOTH1a, BOOTH1b - BOOTH2a, BOOTH2b	Cleanup	VOC (includes HAPs)	5.62	13.50
		HAPs	1.99	4.77

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
- 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

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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) Annual emission rates are based on a rolling consecutive 12-month period.
- (5) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: September 18, 2023