

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 19156

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 (6)	
			lbs/hour	TPY (4)
Pre-Phosphate Washers and Phosphate System				
PT1 PT2 PT3	PT Air Seal Exhaust PT Zone 1 Exhaust PT Zone 4 Exhaust	VOC	0.59	1.09
Prime Coat System (ELPO)				
ELPO RTO 173	ELPO Immersion Tank and ELPO Oven Routed to ELPO RTO Miscellaneous Plant wide Production Related Fugitives	VOC	2.70	4.99
Primer Surfacer System				
530	Primer Surfacer Booth Painting, Purge and Clean Through Rotor Concentrator and RTO	VOC	34.80	64.76
		PM	0.08	0.15
321	Primer Surfacer Oven Through Regenerative Thermal Oxidizer	PM <sub>10</sub>	0.08	0.15
		PM <sub>2.5</sub>	0.08	0.15
510 511 514	Primer Surfacer Mix Room No. 1 Primer Surfacer Mix Room No. 2 Primer Surfacer Oven Exit Air Seal			
Topcoat System				
93, 94 and 95  321	Basecoat Booths A, B and C Painting, Purge, Clean and Air Makeup Units	VOC	262.86	408.95
		PM	2.09	3.87
99, 100 and 101  530	Basecoat Heated Flash Through Regenerative Thermal Oxidizer for Booths A, B and C  Basecoat Observation Zone for Booths A, B and C  Clearcoat Booths A, B and C Painting, Purge, Cleaning and Observation Through Rotor	PM <sub>10</sub>	2.09	3.87
		PM <sub>2.5</sub>	2.09	3.87

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321	Concentrator/RTO			
446	Topcoat Ovens Through			
447	Regenerative Thermal Oxidizer for			
558, 559	Booths A, B and C			
	SEO Room No. 1			
	SEO Room No. 2			
	Clean Rooms			
173	Primer Surfacer, Basecoat and	VOC	95.94	59.41
	Clearcoat Booth Cleaning Fugitives			
Final/Spot Repair				
173, 361, 362 363,	Final/Spot Repair Operations	VOC	6.00	12.20
364, 365, 515, 516		PM	0.20	0.50
517, 518, 528, 538				
539	Final Vehicle Wash Exhaust	VOC	1.00	1.00
389, 534, 535,	Vehicle Startup, Rolltest and Heavy	VOC	0.93	1.85
536, 537, 540,		NO <sub>x</sub>	0.99	1.98
390, 391, 392,		CO	12.06	24.12
393, 394, 533,		PM <sub>10</sub>	0.02	0.04
519, 520, 547,		SO <sub>2</sub>	0.32	0.25
548, 549				
Boiler Annual Emission Limits - Firing Natural Gas and a Maximum of 1,157,150 Gallons of Fuel Oil				
163	North Boiler	VOC	---	0.30
		NO <sub>x</sub>	---	19.30
		CO	---	4.80
		PM	---	0.90
		SO <sub>2</sub>	---	8.30
164	Center Boiler	VOC	---	0.30
		NO <sub>x</sub>	---	19.30
		CO	---	4.80
		PM	---	0.90

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		SO <sub>2</sub>	---	8.30
165	South Boiler	VOC	---	0.30
		NO <sub>x</sub>	---	19.30
		CO	---	4.80
		PM	---	0.90
		SO <sub>2</sub>	---	8.30
Boiler Short Term Limits – Firing Fuel Oil Only				
163	North Boiler	VOC	0.11	---
		NO <sub>x</sub>	10.71	---
		CO	2.68	---
		PM	1.07	---
		SO <sub>2</sub>	22.82	---
164	Center Boiler	VOC	0.11	---
		NO <sub>x</sub>	10.71	---
		CO	2.68	---
		PM	1.07	---
		SO <sub>2</sub>	22.82	---
165	South Boiler	VOC	0.11	---
		NO <sub>x</sub>	10.71	---
		CO	2.68	---
		PM	1.07	---
		SO <sub>2</sub>	22.82	---
Boiler Short Term Limits – Firing Natural Gas				
163	North Boiler	VOC	0.20	---
		NO <sub>x</sub>	10.24	---

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		CO	2.56	---
		PM	0.37	---
		SO <sub>2</sub>	0.80	---
164	Center Boiler	VOC	0.20	---
		NO <sub>x</sub>	10.24	---
		CO	2.56	---
		PM	0.37	---
		SO <sub>2</sub>	0.80	---
165	South Boiler	VOC	0.20	---
		NO <sub>x</sub>	10.24	---
		CO	2.56	---
		PM	0.37	---
		SO <sub>2</sub>	0.80	---
191	Maintenance Paint Booth	VOC	10.00	1.20
		PM	2.34	0.28
440	Waste Thinner Tank	VOC	1.00	2.10
439	Waste Paint Tank	VOC	1.00	2.10
526, 543, 173	All Fluid Fill Operations	VOC	0.23	0.42
545	Sawdust Collector	PM	5.00	0.50
173, ELPO RTO, 321, 530, ELPO Air Supply House, Body Shop Air Supply Houses, Process Heaters, Comfort Heating	Plant wide Natural Gas Combustion – Excluding Boilers	VOC (5)	1.31	6.85
		NO <sub>x</sub>	27.42	125.04
		CO	22.98	106.34
		PM (5)	2.08	9.62
		PM <sub>10</sub> (5)	2.08	9.62
		PM <sub>2.5</sub> (5)	2.08	9.62

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		SO <sub>2</sub>	0.17	0.75
173	Miscellaneous Plant-wide Chemicals – Sealers, Adhesives, Booth Cleaners, Wipes, Purge Thinner, and Miscellaneous Materials	VOC	115.49	205.00

- (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>,
- 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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Products of combustion only.
- (6) Includes planned maintenance, startup and shutdown activities.

Date: December 15, 2015