

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	
			lbs/hour	TPY (4)
Pre-Phosphate Washers and Phosphate System				
529 500 501 502	Pre-Phosphate Washer Phosphate Entry Air Seal Phosphate Immersion Cleaner Phosphate Immersion	VOC	19.26	30.00
Prime Coat System (ELPO)				
503 505, 531, 532 506,507 321 173	ELPO Immersion Tank ELPO Oven Exhaust ELPO Oven Forced Air Cooler ELPO Oven to Primer Surfacer Oxidizer Miscellaneous Plant wide Production Related Fugitives	VOC	12.35	24.45
Primer Surfacer System				
530 321 510 511 514	Primer Surfacer Booth Painting, Purge and Clean Through Rotor Concentrator and RTO	VOC	34.80	64.76
		PM	0.08	0.15
	Primer Surfacer Oven Through Regenerative Thermal Oxidizer	PM ₁₀	0.08	0.15
		PM _{2.5}	0.08	0.15
Topcoat System				
93, 94 and 95 321 96, 97 and 98	Basecoat Booths A, B and C Painting, Purge, Clean and Air Makeup Units	VOC	264.00	411.08
		PM	2.09	3.87
	Basecoat Heated Flash Through Regenerative Thermal Oxidizer for Booths A, B and C	PM ₁₀	2.09	3.87
		PM _{2.5}	2.09	3.87

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99, 100 and 101	Basecoat Observation Zone for Booths A, B and C Clearcoat Booths A, B and C Painting, Purge, Cleaning and Observation Through Rotor Concentrator/RTO Topcoat Ovens Through Regenerative Thermal Oxidizer for Booths A, B and C SEO Room No. 1 SEO Room No. 2 Clean Rooms			
530				
321				
446				
447				
558, 559, 560				
173	Primer Surfacer, Basecoat and Clearcoat Booth Cleaning Fugitives	VOC	95.94	59.41
Blackout/Deadener				
153, 154, 155, 156	Deadener Operation	VOC	4.10	8.10
		PM	0.37	0.42
Final/ Spot Repair				
173, 361, 362 363, 364, 365, 515, 516 517, 518, 528, 538	Final/Spot Repair Operations	VOC	6.00	12.20
		PM	0.20	0.50
539	Final Vehicle Wash Exhaust	VOC	1.00	1.00
389, 534, 535, 536, 537, 540, 390, 391, 392, 393, 394, 533, 519, 520, 547, 548, 549	Vehicle Startup, Rolltest and Heavy Repair	VOC	0.93	1.85
		NO _x	0.99	1.98
		CO	12.06	24.12
		PM ₁₀	0.02	0.04
		SO ₂	0.32	0.25
Boiler Annual Emission Limits - Firing Natural Gas, Propane and a Maximum of 1, 157,150 Gallons of Fuel Oil				
163	North Boiler	VOC	---	0.30
		NO _x	---	19.30

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		CO	---	4.80
		PM	---	0.90
		SO ₂	---	8.30
164	Center Boiler	VOC	---	0.30
		NO _x	---	19.30
		CO	---	4.80
		PM	---	0.90
		SO ₂	---	8.30
165	South Boiler	VOC	---	0.30
		NO _x	---	19.30
		CO	---	4.80
		PM	---	0.90
		SO ₂	---	8.30
Boiler Short Term Limits – Firing Fuel Oil Only				
163	North Boiler	VOC	0.11	---
		NO _x	10.71	---
		CO	2.68	---
		PM	1.07	---
		SO ₂	22.82	---
164	Center Boiler	VOC	0.11	---
		NO _x	10.71	---
		CO	2.68	---
		PM	1.07	---
		SO ₂	22.82	---
165	South Boiler	VOC	0.11	---

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		NO _x	10.71	---
		CO	2.68	---
		PM	1.07	---
		SO ₂	22.82	---
Boiler Short Term Limits – Firing Natural Gas or Propane				
163	North Boiler	VOC	0.20	---
		NO _x	10.24	---
		CO	2.56	---
		PM	0.37	---
		SO ₂	0.80	---
164	Center Boiler	VOC	0.20	---
		NO _x	10.24	---
		CO	2.56	---
		PM	0.37	---
		SO ₂	0.80	---
165	South Boiler	VOC	0.20	---
		NO _x	10.24	---
		CO	2.56	---
		PM	0.37	---
		SO ₂	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
Tank Farm – Excluding Fuel Oil Tanks				

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182 397 183 184 185 182A 186 187 185A 188	Tank No. 1 - Unleaded Gasoline Tank No. 2 - Antifreeze Tank No. 3 – Automatic Transmission Fluid Tank No. 4 - Unleaded Gasoline Tank No. 5 – Purge Thinner Tank No. 6 - Unleaded Gasoline Tank No. 7 - Antifreeze Tank No. 8 – Rear Axle Oil Tank No. 9 - Unleaded Gasoline Tank No. 10 – Power Steering Fluid	VOC	1.30	2.84
525, 526, 543, 173	Stage II Oxidizers and All Other Fluid Fill Operations	VOC	0.37	0.81
545	Sawdust Collector	PM	5.00	0.50
173	Plant wide Natural Gas Combustion – Excluding Boilers	VOC	1.62	7.09
		NO _x	29.44	128.96
		CO	24.73	108.33
		PM	2.24	9.80
		SO ₂	0.18	0.77
173	Miscellaneous Plant wide Chemicals – Sealers, Adhesives, Booth cleaners, Wipes, Purge Thinner, and Miscellaneous Materials	VOC	86.90	153.00

(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_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

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(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Products of combustion only

Date: July 16, 2012