

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Pre-Phosphate Washers and Phosphate System**			VOC	19.26
	30.0			
529	Pre-Phosphate Washer			
500	Phosphate Entry Air Seal			
501	Phosphate Immersion Cleaner			
502	Phosphate Immersion			
Prime Coat System (ELPO)**			VOC	12.35
				24.45
503	ELPO Immersion Tank			
505, 531, 532	ELPO Oven Exhaust			
506, 507	ELPO Oven Forced Air Cooler			
321	ELPO/Primer Surfacer Oxidizer			
173	Miscellaneous Plantwide Production Related Fugitives			
Primer/Surfacer System**			VOC	70.2
			PM	0.80
				140.2
				1.70
510	Primer Surfacer Mix Room No. 1			
511	Primer Surfacer Mix Room No. 2			
514	Primer/Surfacer Oven Exit Air Seal			
321	Booth and Oven, ELPO/Primer Surfacer Oxidizer			
173	Miscellaneous Plantwide Production Related Fugitives			

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
Topcoat System**				
		VOC	287.9	479.8
		PM	2.00	4.7
320	Clear Coat Booths and Ovens			
530	Basecoat Booths			
	Basecoat Oxidizer			
446	SEO Room No. 1			
447	SEO Room No. 2			
Black-Out/Deadener**				
	8.1	VOC		4.1
		PM	0.37	0.42
153, 154, 155, 156	Deadener Operation			
Final/Spot Repair**				
		VOC	612.2	
		PM	0.2	0.5
173, 361, 362, 363 364, 365, 515, 516 517, 518, 528, 538	Final/Spot Repair Operations			
General Assembly/Support Operations**				
		VOC	1.0	1.0
539	Final Vehicle Wash Exhaust			
418, 419, 541	East and West Fire Exempt Pump Engines			
542	Wastewater Treatment Plant Emergency Generator	Exempt		

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Vehicle Startup, Rolltest and Heavy Repair**
1.53

VOC	0.77
NO _x	1.24 2.48
CO	8.43 16.85
PM ₁₀	0.04 0.09

389, 534, 535,
536, 537, 540,
390, 391, 392,
393, 394, 533,
519, 520, 547,
548, 549

163	North Boiler (Fuel Oil 720 Hours, Natural Gas 8,784 Hours)	VOC	N/A 0.9
		NO _x	N/A 46.1
		CO	N/A 11.5
		PM	N/A 0.9
		SO ₂	N/A 0.2

164	Center Boiler (Fuel Oil 720 Hours, Natural Gas 8,784 Hours)	VOC	N/A 0.9
		NO _x	N/A 46.1
		CO	N/A 11.5
		PM	N/A 0.9
		SO ₂	N/A 0.2

165	South Boiler (Fuel Oil 720 Hours, Natural Gas 8,784 Hours)	VOC	N/A 0.9
		NO _x	N/A 46.1
		CO	N/A 11.5

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		PM	N/A	0.9
		SO ₂	N/A	0.2
163	North Boiler (Fuel Oil 720 Hours) 3.9	VOC	0.18	0.06
		NO _x	11.0	
		CO	3.0	1.0
		PM	1.1	0.4
		SO ₂	23.0	8.3
164	Center Boiler (Fuel Oil 720 Hours) 3.9	VOC	0.18	0.06
		NO _x	11.0	
		CO	3.0	1.0
		PM	1.1	0.4
		SO ₂	23.0	8.3
165	South Boiler (Fuel Oil 720 Hours) 3.9	VOC	0.18	0.06
		NO _x	11.0	
		CO	3.0	1.0
		PM	1.1	0.4
		SO ₂	23.0	8.3
163	North Boiler (Natural Gas 8,784 Hours) 46.1	VOC	0.21	0.92
		NO _x	10.5	
		CO	2.6	11.5
		PM	0.11	0.5
		SO ₂	1.0	1.0

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
164	Center Boiler (Natural Gas 8,784 Hours) 46.1	VOC	0.21	0.92
		NO _x		10.5
		CO	2.6	11.5
		PM	0.11	0.5
		SO ₂	1.0	1.0
165	South Boiler (Natural Gas 8,784 Hours) 46.1	VOC	0.21	0.92
		NO _x		10.5
		CO	2.6	11.5
		PM	0.11	0.5
		SO ₂	1.0	1.0
191	Maintenance Paint Booth 1.2	VOC		10.0
		PM	2.34	0.28
440	Waste Thinner Tank	VOC	1.0	2.1
439	Waste Paint Tank	VOC	1.0	2.1
Tank Farm (Excluding Fuel Oil Tanks)**		VOC	1.3	2.84
			(Ann Avg.)	
182	Tank Farm Tank No. 1 Unleaded Gasoline			
397	Tank Farm Tank No. 2 Antifreeze			

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
183	Tank Farm Tank No. 3 Automatic Transmission Fluid			
184	Tank Farm Tank No. 4 Unleaded Gasoline			
185	Tank Farm Tank No. 5 Purge Thinner			
182A	Tank Farm Tank No. 6 Unleaded Gasoline			
186	Tank Farm Tank No. 7 Antifreeze			
187	Tank Farm Tank No. 8 Rear Axle Oil			
185A	Tank Farm Tank No. 9 Unleaded Gasoline			
188	Tank Farm Tank No. 10 Power Steering Fluid			
400	Fuel Oil Tank No. 1	VOC	0.1	0.1
401	Fuel Oil Tank No. 2	VOC	0.1	0.1
402	Fuel Oil Tank No. 3	VOC	0.1	0.1
525, 526, 543 173	Stage II Oxidizers and All Other Fluid Fill Operations**	VOC	0.37	0.81
545	Sawdust Collector	PM	5.0	0.5
173	Plantwide Natural Gas Combustion (excluding 128.96 Boilers)	VOC NO _x CO PM SO ₂	1.62 7.09 24.73 2.24 0.18	7.09 29.44 108.33 9.80 0.77

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Point No. (1)	Name (2)	Name (3)	lb/hrTPY
173	Misc. Plant-Wide Chemicals 285.9 (Sealers, Adhesives, Booth Cleaners, Wipes, Purge Thinner, and Miscellaneous Materials	VOC	158.4

(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.

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(3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1.

NO_x - total oxides of nitrogen

CO - carbon monoxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter, equal to or less than 10 microns in diameter. Where PM is not

listed, it shall be assumed that
no particulate matter greater
than 10 microns is emitted.

SO₂ - sulfur dioxide

- * Emission rates are based on and the facilities are limited by the
following maximum operating schedule or the schedules noted above:

Hrs/day _____ Days/week _____ Weeks/year _____ or Hrs/year _____
8,784

- ** Emission rate represents total emissions from grouped sources.

Dated _____