

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	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Pre-Phosphate Washers and Phosphate System				
500	Phosphate Entry Air Seal 5.00		VOC	3.21
501	Phosphate Immersion Cleaner 5.00		VOC	3.21
502	Phosphate Immersion	VOC	3.21	5.00
529	Pre-Phosphate Washer	VOC	9.63	15.00
Prime Coat System (ELPO)				
503	ELPO Immersion Tank	VOC	8.08	16.16
505, 531, 532	ELPO Oven Exhaust Canopy - POC	VOC NO _x CO PM SO ₂	0.1 4.8 1.2 0.1 0.1	0.3 13.1 3.1 0.2 0.1
505	ELPO Oven Exhaust Canopy - Coating Emissions	VOC	1.8	3.59
506, 507	ELPO Oven Forced	VOC	0.44	0.31

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
Air Cooler				
321	Oxidizer No. 2 (ELPO Oven) 6.46	VOC	3.23	
Primer/Surfacer				
510	Primer Surfacer Mix Room No. 1	VOC	0.71	0.88
511	Primer Surfacer Mix Room No. 2	VOC	0.71	0.88
512	Primer/Surfacer Oven Burner - Radiant Zone 5.9	VOC	0.06	0.13
		NO _x	2.3	
		CO	0.57	1.5
		PM	0.06	0.06
		SO ₂	0.06	0.06
513	Primer/Surfacer Oven Burner - Convection Zone 3.5	VOC	0.04	0.07
		NO _x	1.3	
		CO	0.33	0.88
		PM	0.04	0.04
		SO ₂	0.04	0.04
514	Primer/Surfacer Oven Exit Air Seal	VOC	2.82	3.52

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
321	Controlled Portion - Oxidizer 12.70 No. 2 Primer Surfacer Booth/Oven	VOC	10.20	
321	Uncontrolled Portion - Oxidizer No. 2 Primer 6.67 Surfacer Booth/Oven	VOC	15.50	19.40
		PM		5.34

Topcoat System

321	Base Coat Booths	VOC	0.51	0.66
	Stack - POC	NO _x	16.3	32.9
		CO	4.1	8.1
		PM	0.82	1.75
		SO ₂	0.5	0.5
321	Base Coat Booths	VOC	691.1	641.1
	Stack - Coating	PM	9.56	2.93
320	Clear Coat Booths	VOC	0.49	0.99
	and Ovens - POC	NO _x	24.7	50.4
		CO	6.2	12.8
		PM	0.27	0.54
		SO ₂	0.1	0.7
320	Clear Coat Booths	VOC	200.0	79.0

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	and Ovens - Coating	PM	9.1	12.2
Black-Out/Deadener				
394				
153, 154,	Black-Out/Deadener	VOC	2.96	4.0
155, 156	Booth	PM	0.37	0.42
361, 362, 363,	Final Repair/Spot	VOC	12.6	4.00
364, 365, 528	Repair Booth	PM	0.51	0.18
515, 516	New Spot Repair Booth	VOC	1.51	1.89
		PM	0.28	0.34
517, 518	New Spot Repair Booth	VOC	1.51	1.89
		PM	0.28	0.34
325	Hoodliner Dust Exhaust	PM		0.13
	0.57			
389 - 394, 519, 520		Vehicle Start-up, VOC		0.23
	0.70			
	Conveyor 54,			
533 - 537, 540	Roll Test and Heavy Repair	NO _x		0.34
	1.13			
		CO	2.36	7.59
		PM	0.04	0.08

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
387	Transit Coating Booth	VOC	2.5	0.5
		PM	4.0	0.8
527	Chassis Booth	VOC	3.5	0.7
		PM	0.2	0.04
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
		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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		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	0.1	0.1
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	0.1	0.1
165	South Boiler (Natural Gas 8,784 Hours) 46.1	VOC	0.21	0.92
		NO _x	10.5	

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		CO	2.6	11.5
		PM	0.11	0.5
		SO ₂	0.1	0.1
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
446	SEO Room No. 1	VOC	0.7	2.3
447	SEO Room No. 2	VOC	0.7	2.3
510	Primer/Surfacer Satellite 0.88 Mix Room No. 1	VOC		0.71
511	Primer/Surfacer Satellite 0.88 Mix Room No. 2	VOC		0.71
180	Propane Flare	VOC	10.0	0.1
		NO _x	0.1	0.1
		CO	0.1	0.1
		PM	0.1	0.1
		SO ₂	0.1	0.1
182	Tank Farm Tank No. 1 Unleaded Gasoline	VOC	1.0	0.6

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
397	Tank Farm Tank No. 2 Antifreeze	VOC	0.1	0.1
183	Tank Farm Tank No. 3 Automatic Transmission Fluid	VOC	0.1	0.1
184	Tank Farm Tank No. 4 Unleaded Gasoline	VOC	1.0	0.6
185	Tank Farm Tank No. 5 Purge Thinner	VOC	1.0	1.0
182A	Tank Farm Tank No. 6 Unleaded Gasoline	VOC	1.0	0.6
186	Tank Farm Tank No. 7 Antifreeze	VOC	0.1	0.1
187	Tank Farm Tank No. 8 Rear Axle Oil	VOC	0.1	0.1
185A	Tank Farm Tank No. 9 Unleaded Gasoline	VOC	1.0	0.6
188	Tank Farm Tank No. 10 Power Steering Fluid	VOC	0.1	0.1
400	Fuel Oil Tank No. 1	VOC	0.1	0.1
401	Fuel Oil Tank No. 2	VOC	0.1	0.1

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
402	Fuel Oil Tank No. 3	VOC	0.1	0.1
521	Pyrolysis Oven	VOC	0.04	0.04
		NO _x	0.05	0.05
		CO	0.1	0.1
		PM	0.03	0.03
		SO ₂	0.01	0.01
522	Pyrolysis Oven	VOC	0.04	0.04
		NO _x	0.05	0.05
		CO	0.1	0.1
		PM	0.03	0.03
		SO ₂	0.01	0.01
523	Pyrolysis Oven	VOC	0.04	0.04
		NO _x	0.05	0.05
		CO	0.1	0.1
		PM	0.03	0.03
		SO ₂	0.01	0.01
524	Pyrolysis Oven	VOC	0.04	0.04
		NO _x	0.05	0.05
		CO	0.1	0.1
		PM	0.03	0.03
		SO ₂	0.01	0.01
525, 526, 543	Stage II Oxidizer Stack (2)	VOC		0.2
	0.2			
	Gasoline Fill Area Exhaust	NO _x		0.04
	0.16			
		CO	0.02	0.08
		PM	0.02	0.02
		SO ₂	0.02	0.06
324	Kolene Area Vent	VOC	0.1	0.1

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
327	Kolene Baghouse	VOC	5.0	0.1
		PM	10.0	4.5
323	Kolene Burners	VOC	0.1	0.1
		NO _x	0.4	0.8
		CO	0.1	0.1
		PM	0.1	0.1
		SO ₂	0.1	0.1
539	Vehicle Car Washing	VOC	1.0	1.0
173	Miscellaneous Plantwide	VOC		0.22
	0.36			
	Production Operations -	NO _x		12.9
	19.0			
	POC Fluid	CO	3.4	4.7
		PM	15.2	5.2
		SO ₂	0.4	0.4
173	Miscellaneous Plantwide	VOC		413.0
	387.0			
	Production Operations	PM		15.2
	5.2			
	Coating Emissions			
545	Woodshop Operation and	PM		5.0
	0.5			
	Dust Collector			
546	Body Shop Gas Combustion	PM		0.51
	0.18			
	Space heaters	SO ₂	0.04	0.01
		NO _x	6.75	2.36
		CO	5.67	1.98
		VOC	0.37	0.13

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
547, 548, and 549	Vehicle Roll Test and PM Alignment Operations		0.02	0.05
	1.72	NO _x		0.79
		CO	5.24	11.44
		VOC	0.48	1.04

(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 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 SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* 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

Dated_____