

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				
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 Rm No.2 0.88 Room No. 1	VOC		0.71
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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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
	and Ovens - Coating	PM	9.1	12.2

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
Black-Out/Deadener				
394				
153, 154, 155, 156	Black-Out/Deadener Booth	VOC PM	2.96 0.37	4.0 0.42
361, 362, 363, 364, 365, 528	Final Repair/Spot Repair Booth	VOC PM	12.6 0.51	4.00 0.18
515, 516	New Spot Repair Booth	VOC PM	1.51 0.28	1.89 0.34
517, 518	New Spot Repair Booth	VOC PM	1.51 0.28	1.89 0.34
325	Hoodliner Dust Exhaust 0.57		PM	0.13
389 - 394, 519, 520 0.70	Conveyor 54	Vehicle Start-up, VOC		0.23
533 - 537, 540	Roll Test and Heavy Repair 1.13		NO _x	0.34
		CO PM	2.36 0.04	7.59 0.08
387	Transit Coating Booth	VOC PM	2.5 4.0	0.5 0.8
527	Chassis Booth	VOC PM	3.5 0.2	0.7 0.04

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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
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
		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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
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
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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
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
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

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hrTPY	
		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
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

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
		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		435.0
	405.0			
	Production Operations	PM		15.2
	5.2			
	Coating Emissions			
545	Woodshop Operation and	PM		5.0
	0.5			
	Dust Collector			

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- (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 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 _____