

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.

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	76.3	151.2
		PM	0.80	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			
530				

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
Topcoat System**		VOC	353.3	601.7
		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			
558,559,560	Clean Rooms and			
561, 562,	Topcoat Ovens			
173	Miscellaneous Plantwide Production Related Fugitives			
Black-Out/Deadener**			VOC	4.1
	8.1			
		PM	0.37	0.42
153,154,155,156	Deadener Operation			
Final/Spot Repair**		VOC	6	12.2
		PM	0.5	
173, 361, 362, 363	Final/Spot Repair			
364, 365, 515, 516	Operations			
517, 518, 528, 538				
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	Exempt		

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
Emergency Generator				
Vehicle Start-Up, Rolltest, and Heavy Repair**		VOC	0.93	1.85
389, 534, 535,		NO _x	0.99	1.98
536, 537, 540,		CO	12.06	24.12
390, 391, 392,		PM ₁₀	0.20	0.40
393, 394, 533,		SO ₂	0.32	0.25
519, 520, 547,				
548, 549				

ANNUAL LIMITS WHEN FIRING NATURAL GAS OR PROPANE AND A MAXIMUM OF 1,157,150 GALLONS OF FUEL OIL

163	North Boiler	VOC	0.6
		NO _x	14.9
		CO	10.2
		PM	1.5
		SO ₂	8.3
164	Center Boiler	VOC	0.6
		NO _x	14.9
		CO	10.2
		PM	1.5
		SO ₂	8.3
165	South Boiler	VOC	0.6
		NO _x	14.9
		CO	10.2
		PM	1.5
		SO ₂	8.3

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

SHORT-TERM LIMITS WHEN FIRING FUEL OIL

163	North Boiler	VOC	0.11
		NO _x	10.71
		CO	2.68
		PM	1.77
		SO ₂	22.82
164	Center Boiler	VOC	0.11
		NO _x	10.71
		CO	2.68
		PM	1.77
		SO ₂	22.82
165	South Boiler	VOC	0.11
		NO _x	10.71
		CO	2.68
		PM	1.77
		SO ₂	22.82

SHORT-TERM LIMITS WHEN FIRING NATURAL GAS OR PROPANE

163	North Boiler	VOC	0.40
		NO _x	7.32
		CO	6.15
		PM	0.56
		SO ₂	0.04
164	Center Boiler	VOC	0.40
		NO _x	7.32
		CO	6.15

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		PM	0.56	
		SO ₂	0.04	
165	South Boiler	VOC	0.40	
		NO _x	7.32	
		CO	6.15	
		PM	0.56	
		SO ₂	0.04	
191	Maintenance Paint Booth	VOC	10.0	1.2
		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			
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			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
	Rear Axle Oil			
185A	Tank Farm Tank No. 9			
	Unleaded Gasoline			
188	Tank Farm Tank No. 10			
	Power Steering Fluid			
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 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	Misc. Plantwide Chemicals (Sealers, Adhesives, Booth Cleaners, Wipes, Purge Thinner, and Miscellaneous Materials)	VOC	86.9	153.0

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - SO₂ - sulfur dioxide

** Emission rate represents total emissions from grouped sources.

Dated October 7, 2004