

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
<u>POINT SOURCE EMISSIONS</u>				
<u>7,056 HOURS OF OPERATION PER YEAR</u>				
516	Bonderite and Rinse	VOC	32.1	50.0
517	ELPO Tank and Rinse	VOC	10.4	16.2
518	ELPO Oven	VOC	0.1	0.3
		NO _x	4.8	13.1
		CO	1.2	3.1
		PM	0.1	1.1
		SO ₂	0.1	0.1
519	Primer Surfacer Oven-Convection Zone	VOC	0.1	0.2
		NO _x	3.6	10.8
		CO	0.9	2.6
		PM	0.1	0.9
		SO ₂	0.1	0.1
321	Base Coat Booths and Primer Surfacer Stack	VOC	2200.0	1654.3
		NO _x	16.3	32.9
		CO	4.1	8.1
		PM	30.2	38.4
		SO ₂	0.5	0.5
320	Clear Coat Booths and Ovens Vented Through the Reeco Oxidizer	VOC	200.0	111.6
		NO _x	24.7	50.4
		CO	6.2	12.8
		PM	23.0	18.5
		SO ₂	0.1	0.7

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<u>Emission Rates *</u>	Source	Air Contaminant	<u>Emission</u>	
<u>Point No. (1)</u>		<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
<u>TPY</u>				
153, 154, 155, and 156	Deadener Booth	VOC	5.0	10.0
4, 5, and 322	Dulux Booth and IR Oven	VOC	8.1	5.2
		PM	0.9	0.7
361, 362, 363, 364, and 365	Final Repair Booth	VOC	25.3	10.9
		PM	1.3	0.4
358, 366	Final Repair Conv. Oven	VOC	6.3	2.7
		NO _x	0.6	1.3
	Final Repair IR Oven	CO	0.2	0.3
		PM	0.1	0.2
		SO ₂	0.1	0.1

POINT SOURCE EMISSIONS
8,784 HOURS OF OPERATION PER YEAR

163	North Boiler (fuel oil 720 hrs. and natural gas 8,064 hrs.)	VOC	N/A	0.9
		NO _x	N/A	44.4
		CO	N/A	11.5
		PM	N/A	0.9
		SO ₂	N/A	8.5
164	Center Boiler (fuel oil 720 hrs. and natural gas 8,064 hrs.)	VOC	N/A	0.9
		NO _x	N/A	44.4
		CO	N/A	11.5
		PM	N/A	0.9
		SO ₂	N/A	8.5
165	South Boiler (fuel oil 720 hrs. and Natural gas 8,064 hrs.)	VOC	N/A	0.9
		NO _x	N/A	44.4
		CO	N/A	11.5
		PM	N/A	0.9
		SO ₂	N/A	8.5

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<u>Emission Rates *</u>	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)		Name (2)	Name (3)	lb/hr
	TPY			
163	North Boiler (fuel oil; 720 hrs.)	VOC	0.2	0.1
		NO _x	10.8	3.9
		CO	2.7	1.0
		PM	1.1	0.4
		SO ₂	23.1	8.3
164	Center Boiler (fuel oil; 720 hrs.)	VOC	0.2	0.1
		NO _x	10.8	3.9
		CO	2.7	1.0
		PM	1.1	0.4
		SO ₂	23.1	8.3
165	South Boiler (fuel oil; 720 hrs.)	VOC	0.2	0.1
		NO _x	10.8	3.9
		CO	2.7	1.0
		PM	1.1	0.4
		SO ₂	23.1	8.3
163	North Boiler (natural gas 8,784 hrs.)	VOC	0.2	1.0
		NO _x	10.5	44.4
		CO	2.6	11.5
		PM	0.1	0.5
		SO ₂	0.1	0.2
164	Center Boiler (natural gas 8,784 hrs.)	VOC	0.2	1.0
		NO _x	10.5	44.4
		CO	2.6	11.5
		PM	0.1	0.5
		SO ₂	0.1	0.2
165	South Boiler (natural gas	VOC	0.2	1.0
		NO _x	10.5	44.4

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DATA		AIR	CONTAMINANTS	
<u>Emission Rates *</u>	Source	Air Contaminant	<u>Emission</u>	
<u>Point No. (1)</u>		<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
	<u>TPY</u>			
	8,784 hrs.)	CO	2.6	11.5
		PM	0.1	0.5
		SO ₂	0.1	0.2

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<u>Emission Rates *</u>	Source	Air Contaminant	<u>Emission</u>	
<u>Point No. (1)</u>		<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
<u>TPY</u>				
191	Maintenance Paint Booth	VOC	10.0	1.2
		PM	0.1	0.1
506, 507	BC/CC Mix Room	VOC	8.2	36.0
440	BC/CC Purge Thinner Tank	VOC	1.0	2.1
439	BC/CC Cleaning Thinner Tank	VOC	1.0	2.1
446, 447, 510, 511, 512, 513, 514 and 515	SEO Rooms 1 and 2 Primer Room 1 and 2	VOC	5.4	18.0
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 Gasoline Tank No. 1	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 Gasoline	VOC	1.0	0.6

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<u>Emission Rates *</u>	Source	Air Contaminant	<u>Emission</u>	
<u>Point No. (1)</u>		<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
	TPY			
	Tank No. 4			
185	Tank Farm Tank No. 5 Purge Thinner	VOC	1.0	0.1
182A	Tank Farm Gasoline Tank No. 6	VOC	1.0	0.6
186	Tank Farm Tank No. 7	VOC	0.1	0.1
187	Tank Farm Tank No. 8 Rear Axle Oil	VOC	0.1	0.1
185A	Tank Farm Gasoline Tank No. 9	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
403	Fuel Oil Tank No. 4	VOC	0.1	0.1
404	Fuel Oil Tank No. 5	VOC	0.1	0.1
405	Fuel Oil Tank No. 6	VOC	0.1	0.1
413	Old Paint Mix	VOC	0.1	0.1

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Emission Rates *	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)		Name (2)	Name (3)	lb/hr
	TPY			
	Paint Slop Tank			
414	Old Paint Mix Purge Thinner Tank	VOC	0.1	0.1
521	Pyrolysis Oven	VOC	5.0	1.0
		NO _x	0.2	0.5
		CO	0.1	0.1
		PM	5.0	0.5
		SO ₂	0.1	0.1
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
		SO ₂	0.1	0.1
173	Miscellaneous Plant	VOC	375.4	612.8
	Wide Production	NO _x	14.66	21.52
	Operations	CO	3.8	5.26
		PM	0.64	1.46
		SO ₂	0.41	0.40

- (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 General Rule 101.1

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

NO_x - total oxides of nitrogen
CO - carbon monoxide
PM - particulate matter
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_____