

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 214A

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 Rates *	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>				
1	Shell Core Machines (4) (Six each machines)	PM ₁₀	0.02	0.42
		NO _x	0.32	0.67
		SO ₂	0.01	0.01
		CO	0.07	0.14
		Phenol	0.20	0.61
		Aldehydes	0.06	0.19
		Organic Acid	0.01	0.03
2	Isocure Core Machines Scrubber Stack	NH ₃	0.45	0.94
3B	Melt Furnace No. 2 **	PM ₁₀	0.07	0.17
		NO _x	0.60	1.40
		SO ₂	<0.01	0.08
		CO	0.13	0.29
		VOC	0.04	0.08
3C	Melt Furnace No. 3 **	PM ₁₀	0.90	2.81
		NO _x	0.80	2.50
		SO ₂	0.01	0.02
		CO	0.16	0.50
		VOC	0.07	0.22
3D	Melt Furnace No. 4 ** (Electric)	PM	0.65	2.03
3E	Melt Furnace No. 5 ** (Electric)	PM	0.65	2.03
3F	Melt Furnace No. 6 ** (Electric)	PM	0.52	1.63

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Point No. (1)	Name (2)	Name (3)		lb/hr
<u>TPY</u>				
3G	Melt Furnace No. 7 **	PM ₁₀	0.39	2.78
		NO _x	0.49	1.41
		SO ₂	0.01	0.01
		CO	0.10	0.21
		VOC	0.04	0.13
7A	Heat Treat Oven A	PM ₁₀	0.02	0.05
		NO _x	0.40	0.84
		SO ₂	0.01	0.01
		CO	0.01	0.02
		VOC	0.04	0.09
7B	Heat Treat Oven B	PM ₁₀	0.02	0.05
		NO _x	0.40	0.84
		SO ₂	0.01	0.01
		CO	0.01	0.02
		VOC	0.04	0.09
7C	Heat Treat Oven C	PM ₁₀	0.02	0.05
		NO _x	0.40	0.84
		SO ₂	0.01	0.01
		CO	0.01	0.02
		VOC	0.04	0.09
9A	Aging Oven A	PM ₁₀	0.01	0.03
		NO _x	0.20	0.42
		SO ₂	0.01	0.01
		CO	0.01	0.01
		VOC	0.02	0.05
9B	Aging Oven B	PM ₁₀	0.01	0.03
		NO _x	0.20	0.42
		SO ₂	0.01	0.01
		CO	0.01	0.01
		VOC	0.02	0.05

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Point No. (1)	Name (2)	Name (3)		lb/hr
TPY				
9C	Aging Oven C	PM ₁₀	0.01	0.03
		NO _x	0.20	0.42
		SO ₂	0.01	0.01
		CO	0.01	0.01
		VOC	0.02	0.05
10A	Sandblasting	PM ₁₀	0.60	1.25
	Bag Filter Vent No. 1			
10B	Sandblasting	PM ₁₀	0.60	1.25
	Bag Filter Vent No. 2			

(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) PM - particulate matter

PM₁₀ - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

NH₃ - ammonia

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

16 Hrs/day 5 Days/week 52 Weeks/year or 4,160 Hrs/year

** Furnace emission rates are based on operating 24 hours per day, 5 days per week, 52 weeks per year, but not to exceed 6,240 hours per year.

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

Dated _____