

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20956

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
EP1A-A	Pre-Bake Oven		PM	0.01	<0.1	
			SO ₂	<0.01	<0.1	
			NO	0.20	0.7	
			CO	0.04	0.2	
			VOC	0.02	<0.1	
EP1A-B	VPI Vessel		VOC	11.28	2.1	
			Nitrogen	534.00	97.5	
EP1A-C	Polyester Resin Mix Storage Tank		VOC	<0.01	<0.1	
EP1A-D	Lead Pot		PM	<0.01	<0.1	
EP1B-A	East Skin and Tin		PM	<0.01	<0.1	
EP1B-B	West Skin and Tin		PM	<0.01	<0.1	
EP1B-C	East Buffing Operation		PM	<0.01	<0.1	
EP1B-D	West Buffing Operation		PM	<0.01	<0.1	
EP1B-E	Pre-Bake Oven		PM	<0.01	<0.1	
			SO ₂	<0.01	<0.1	
			NO	0.07	<0.1	
			CO	0.02	<0.1	
			VOC	<0.01	<0.1	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
EP1B-F	Pre-Bake Oven		PM	<0.01	<0.1	
			SO ₂	<0.01	<0.1	
			NO	0.07	<0.1	
			CO	0.02	<0.1	
			VOC	<0.01	<0.1	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		EP1B-G Pre-Bake Oven		PM
			<0.01	<0.1
		SO ₂	<0.01	<0.1
		NO	0.07	<0.1
		CO	0.02	<0.1
		VOC	<0.01	<0.1
EP1B-H	VPI Vessel	VOC	<0.01	<0.1
		Nitrogen	320.00	58.5
EP1B-I	Steam Boiler	PM	0.02	<0.1
		SO ₂	<0.01	<0.1
		NO	0.34	1.3
		CO	0.07	0.3
		VOC	0.03	0.1
EP2-A	Annealing Chamber	Nitrogen	427.00	234.0
EP3-A	Pre-Bake Oven	PM	<0.01	<0.1
		SO ₂	<0.01	<0.1
		NO	0.15	0.4
		CO	0.03	<0.1
		VOC	0.02	<0.1
EP3-B	Bake Oven	VOC	0.15	0.4
EP4-A	Skin and Tin	PM	<0.01	<0.1
EP4-B	Varnish Dip	VOC	0.83	2.1
EP4-C	Curing Oven	PM	<0.01	<0.1
		SO ₂	<0.01	<0.1
		NO	0.08	0.2
		CO	0.02	<0.1
		VOC	0.06	0.2

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			lb/hr	TPY		
EP4-D	Mica Particle Separator			PM	0.02	<0.1
EP4-E	Polyester Resin Mix Application			VOC	3.72	9.3

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>		
			lb/hr	TPY	
			EP4-F Steam Drying Oven		VOC
			8.67		21.7
EP4-G	Boiler	PM	<0.01		<0.1
		SO ₂	<0.01		<0.1
		NO	0.12		0.2
		CO	0.03		<0.1
		VOC	0.01		<0.1
EP4-H	Spray Paint Booth	VOC	4.64		1.2
		PM	0.45		0.1
EP4-I	Vessel Impregnating	VOC	1.45		0.3
		Nitrogen	320.00		58.5
EP9-A	Potting	VOC	0.84		2.1
EP9-B	Potting	VOC	0.84		2.1
EP9-C	Pre-Bake Oven	PM	<0.01		<0.1
		SO ₂	<0.01		<0.1
		NO	0.03		<0.1
		CO	<0.01		<0.1
		VOC	<0.01		<0.1
EP9-D	Bake Oven	PM	<0.01		<0.1
		SO ₂	<0.01		<0.1
		NO	0.02		0.3
		CO	0.03		<0.1
		VOC	0.04		<0.1
EP9-E	Burnout Oven	PM	<0.01		<0.1
		SO ₂	<0.01		<0.1
		NO	0.03		<0.1
		CO	<0.01		<0.1
		VOC	4.18		1.5

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>		
			lb/hr	TPY	
FUG1A-A	Hot Presses		VOC	<0.01	<0.1
FUG1A-B	VPI Vessel		VOC	0.35	0.6
FUG1A-C	Electric Cure Presses		VOC	<0.01	<0.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
			FUG1A-D		Painting	VOC
					1.01	2.6
FUG1B-A	VPI- Vessel		VOC		<0.01	<0.1
FUG1B-B	Epoxy Resin Mix Storage Tank		VOC		<0.01	<0.1
FUG2-A	Copper Wire Drawing Mill		PM		<0.01	<0.1
FUG2-B	Copper Wire Rolling Mill		PM		<0.01	<0.1
FUG2-C	Varnish Application		VOC		2.94	7.4
FUG2-D	Varnish Storage/ Mixing Area		VOC		4.06	10.2
FUG2-E	Nitrogen Storage Tanks		Nitrogen		<0.01	<0.1
FUG3-A	Winding Stator		PM		<0.01	<0.1
FUG3-B	Top Core Assembly		PM		<0.01	<0.1
FUG3-C	Varnish Tank		VOC		0.20	0.5
FUG4-A	Machine/Hand Tape Coils		VOC		0.02	<0.1
FUG4-B	Winding Stator		PM		<0.01	<0.1
FUG4-C	Pole Damper Rod Assembly		PM		<0.01	<0.1

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			lb/hr	TPY	
FUG4-D	Pole Winding		VOC	<0.01	<0.1
FUG4-E	VPI Vessel		VOC	0.05	<0.1
FUG8-A	Storage Room		VOC	<0.01	<0.1

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		FUG9-A	Coil Brazing	PM <0.01 <0.1
FUG9-B	Coil Brazing		PM	<0.01 <0.1
FUG9-C	Coil Brazing		PM	<0.01 <0.1
FUG9-D	VPI Vessel		VOC	0.07 0.2

- (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
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide

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

Hrs/day 24 Days/week 6 Weeks/year 52 and Hrs/year 7,488

Dated _____