

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6898

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		
S/N 18	Cast-On-Strap (COS)		TSP		0.25	1.10
	Lines 2 and 3		PM ₁₀		0.25	1.10
	Baghouse		Pb		0.01	0.04
S/N 19	COS Line 1 and Stackers for Lines 1 and 0		Pb		0.01	0.04
S/N 21	COS Lines 4 and 5		TSP		0.25	1.10
	Baghouse		PM ₁₀		0.25	1.10
			Pb		0.01	0.04
S/N 22	Vacuum System Baghouse		Pb		0.01	0.03
S/N 186	MK X COS Line 0		Pb		0.0452	0.20
S/N 187	Baghouse: Pasting Line		TSP		0.27	1.10
	3, Paste Ovens 1-2-3,		PM ₁₀		0.27	1.10
	Vapor Exhaust Mixers		Pb		0.025	0.10
	1-2-3, Mixer Dry		NO _x		0.18	0.78
	Exhaust 3		CO		0.03	0.15
S/N 188	Baghouse: Pasting Lines		TSP		0.27	1.10
	1-2, Mixer Dry Exhausts		PM ₁₀		0.27	1.10
	1-2		Pb		0.05	0.22
S/N 208	Heat Seal-COS Lines 1 and 2		VOC		<0.01	<0.01
S/N 209	Heat Seal-COS Lines 3, 4, and 5		VOC		<0.01	<0.01
S/N 235	Plate Curing Rooms 4-5		Pb		0.0051	0.02

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S/N 236	Plate Curing Rooms 1-3	Pb	0.0077	0.03
S/N 237	Heater Exhaust Room 4	NO _x	0.06	0.26
		CO	0.01	0.05

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			lb/hr	TPY
S/N 238	Heater Exhaust Room 5	NO _x	0.06	0.26
		CO	0.01	0.05
S/N 246	Wirtz Grid Casters	Pb	0.0226	0.10
		SO ₂	<0.01	0.02
		NO _x	0.72	3.15
		CO	0.14	0.63
		VOC	0.04	0.17
S/N 250	Heater Exhaust Room 1	NO _x	0.06	0.26
		CO	0.01	0.05
S/N 251	Heater Exhaust Room 2	NO _x	0.06	0.26
		CO	0.01	0.05
S/N 252	Heater Exhaust Room 3	NO _x	0.06	0.26
S/N 253	Auto Post Burning Lines 3, 4, and 5	Pb	0.0002	<0.01
S/N 255	Heat Seal-COS Line 0	VOC	<0.01	<0.01
S/N 257	Auto Post Burning and Back-Up Heat Seal -COS Line	VOC	<0.01	<0.01
		CO	0.01	0.05
S/N 346	Strip Caster	TSP	0.001	0.04
		PM ₁₀	0.001	0.04
		Pb	0.005	0.021
S/N 347	Strip Casting Furnace	SO ₂	<0.01	<0.01
		NO _x	0.25	1.08
		CO	0.02	0.08
		VOC	<0.01	<0.01
FUG-1	Paste Mixing, Pasting Line 3 (4)	TSP	0.06	0.23
		PM ₁₀	0.06	0.23

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FUG-2	Lead Melting and Casting Operations (4)	Pb	0.03	0.13
		TSP	0.12	0.52
		PM ₁₀	0.12	0.52
		Pb	0.026	0.113

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
FUG-3	COS Lines 4 and 5 (4)	TSP	0.53	0.91
		PM ₁₀	0.53	0.91
		Pb	0.061	0.104
FUG-4	COS Lines 2 and 3 (4)	TSP	0.53	0.91
		PM ₁₀	0.53	0.91
		Pb	0.061	0.104
FUG-5	Battery Formation Area (4)	H ₂ SO ₄	0.01	0.03

- (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) Pb - lead
TSP - total suspended particulate matter including PM₁₀
PM₁₀ - particulate matter less than 10 microns
SO₂ - sulfur dioxide
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in General Rule 101.1
H₂SO₄ - sulfuric acid
- (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 maximum hourly production of 1,140 batteries and a maximum annual production of 3,500,000 batteries and the following operating schedule:

Hrs/day ___ Days/week ___ Weeks/year ___ or Hrs/year 8,760

Dated_____