

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23499

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
EP1	2 Ton Electric Arc Furnace Baghouse		PM	0.48
		0.86		
		CO 1.20	2.15	
		NOx 0.05	0.09	
		SOx 0.29	0.52	
		VOC 0.08	0.13	
		Mn 0.003	0.01	
		Lead 0.003	0.006	
EP2	Sand Mold Shakeout	PM	13.44	24.06
		PM ₁₀ 9.408	16.84	
		VOC 2.34	4.20	
EP3	Green Sand Handling Baghouse	PM	0.39	0.70
EP4	8 Ton Electric Arc Furnace Baghouse 2.15		PM	1.20
		CO 3.00	5.37	
		NOx 0.12	0.21	
		SOx 0.72	1.29	
		VOC 0.18	0.32	
		Mn 0.008	0.02	
		Lead 0.008	0.01	
A-1	Automatic Molding System And Olivene Sand Handling (4)	TSP	0.50	0.50
		PM ₁₀	0.25	0.25

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Emission *	Source	Air Contaminant	Emission	Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
A-3	Cutoff/Grinding (4)	TSP	1.00	1.00
		PM ₁₀	0.50	0.50
B-1	Air Set Sand Mixer/Molding Machine No. 1 (4)	VOC	5.00	10.00
B-2	Air Set Sand Mixer/Molding Machine No. 2 (4)	VOC	5.00	10.00
CR-1	Air Set Sand Mixer/Molding Machine No. 3 (4)	VOC	0.50	0.50
AF-1	850-KVA Electric Arc Furnace (4)	TSP	0.78	1.95
		PM ₁₀	0.78	1.95
		CO	9.19	22.97
AF-2	1,000-KVA Electric Arc Furnace (4)	TSP	0.92	2.30
		PM ₁₀	0.92	2.30
		CO	10.81	27.03
EPN-23A	Anneal Furnace No. 1 Exhaust	VOC	0.24	0.72
		NO _x	2.36	7.20
F-1	Material Handling/ Storage (4)	TSP	0.80	1.20
		PM ₁₀	0.40	0.60
EP5	Roof Exhaust Fan	PM	0.85	3.64
EP6	Roof Exhaust Fan	PM	0.87	3.74
EP7	Side Building Exhaust Fan	PM	0.89	3.82
EP8	Sand Exhaust Fan	PM	0.89	3.84

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Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
EP9	Vent Roof Top	PM	2.91	12.50

- (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) TSP - total particulate matter including PM₁₀
PM₁₀ - particulate matter less than 10 microns in diameter
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
VOC - volatile organic compounds
- (4) Fugitive emissions are an estimate only.

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

Hrs/day 16 Days/week 5 Weeks/year 50

Maximum iron/steel casting rate: Tons/hour 2.07 Tons/year 8,300

Maximum aluminum casting rate: Tons/hour 4.5 Tons/year 18,000

Maximum brass/bronze casting rate: Tons/hour 0.3 Tons/year 450

Dated _____