

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 35177

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 *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
1	Pattern Shop Cyclone Stack	PM ₁₀	0.34	0.21
2	Sand Silo Baghouse Stack	PM ₁₀	0.04	0.02
FUG-1	1,000-lb/hr Crucible Furnace (4) 0.05	PM ₁₀		0.95
		NO _x	1.00	0.20
		CO	0.21	0.04
		SO ₂	<0.01	<0.01
FUG-2	Electric Induction Furnaces (4) 0.12	Zn		0.62
		Pb	0.62	0.12
		Cu	0.13	0.03
		Sn	0.15	0.03
FUG-3	Molding Operation (4)	VOC	1.0	0.25

(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
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide

PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

- CO - carbon monoxide
- Pb - lead and lead compounds
- Zn - zinc and zinc compounds
- Cu - copper and copper compounds
- Sn - tin and tin compounds

(4) Fugitive emissions are an estimate only.

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

12 Hrs/day 6 Days/week 52 Weeks/year or _____ Hrs/year

<u>Metal</u>	<u>Melt lbs/year</u>
Aluminum	715,000
Manganese Bronze	120,000
Aluminum Bronze	30,000
Leaded Bronze 123/844	45,000
Leaded Bronze 115/8360	40,000

Dated_____