

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4431

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
E-22	Arc Air Plant 1 Baghouse Stack	TSP	0.62	1.32
		PM ₁₀	0.62	1.32
E-21	Room Blast Plant 1 Baghouse Stack	TSP	0.23	0.50
		PM ₁₀	0.23	0.50
E-25	Shake Out System Plant 1 Baghouse Stack	TSP	2.36	6.37
		PM ₁₀	2.36	6.37
E-26	Reclaim Sand System Plant 1 4.05 Baghouse Stack	TSP		1.50
		PM ₁₀	1.50	4.05
E-27	Electric Arc Furnace Baghouse Stack	TSP	1.80	4.86
		PM ₁₀	1.80	4.86
		CO	31.20	84.24

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AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		NO _x	0.72	1.95
		SO ₂	<.01	<.01
		VOC	0.43	0.32
E-31	Barrel Blast Plant 2 Baghouse Stack	TSP PM ₁₀	0.40 0.40	1.08 1.08
E-32	Table Blast Plant 2 Baghouse Stack	TSP PM ₁₀	0.40 0.40	1.08 1.08
E-33	Arc Air Plant 2 Baghouse Stack	TSP PM ₁₀	1.40 1.40	3.78 3.78
E-42	Monorail Cool/Sand System Baghouse Stack	TSP PM ₁₀	1.67 1.67	4.51 4.51
E-44	AOD Refining Vessel Baghouse Stack	TSP PM ₁₀	1.93 1.93	5.21 5.21
E-46	Barrel Blast Plant 1 Baghouse Stack	TSP PM ₁₀	0.26 0.26	0.70 0.70
E-47	Pebble Lime Storage Baghouse Stack	TSP PM ₁₀	0.04 0.04	0.11 0.11
E-50	Reclaim Sand Tank Baghouse Stack	TSP PM ₁₀	0.04 0.04	0.11 0.11
FUG-1	Material Handling (4)	TSP PM ₁₀	0.30 0.15	0.81 0.42
FUG-2	Electric Arc Furnace (4)	TSP PM ₁₀ CO NO _x SO ₂ VOC	7.62 7.62 7.80 0.18 <0.01 0.11	20.57 20.57 21.06 0.49 <0.01 0.08
FUG-3	Pouring (4)	TSP	0.42	1.23

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		PM ₁₀	0.42	1.23

- (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 suspended particulate matter(including PM10)
 PM₁₀ - particulate matter less than 10 microns
 NO_x - nitrogen oxides
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 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 rate:

Hrs/day 18 Days/week 6 or Weeks/year 50

Steel Production Rate: Tons/Hour 3.0 Tons/Year 16,200