

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
21	Room Blast Plant 1 Baghouse Stack	PM ₁₀	0.257	0.643
22	Arc Air Plant 1 Baghouse Stack	PM ₁₀	0.986	2.464
25	Shake Out System Plant 1 Baghouse Stack	PM ₁₀	2.571	6.429
26	Reclaim Sand System Plant 1 4.286 Baghouse Stack		PM ₁₀	1.714
27	Electric Arc Furnace Baghouse Stack	PM ₁₀	1.93	4.82
		CO	61.13	152.83
		NO _x	0.94	2.35

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		SO ₂	<.01	<.01
		VOC	0.43	0.32
31	Barrel Blast Plant 2 Baghouse Stack	PM ₁₀	0.257	0.643
32	Table Blast Plant 2 Baghouse Stack	PM ₁₀	0.257	0.643
33	Arc Air Plant 2 Baghouse Stack	PM ₁₀	1.286	3.214
42	Monorail Cool/Sand System Baghouse Stack	PM ₁₀	1.671	4.179
44	AOD Refining Vessel Baghouse Stack	PM ₁₀	1.929	4.821
46	Barrel Blast Plant 1 Baghouse Stack	PM ₁₀	0.238	0.594
50	Reclaim Sand Tank Baghouse Stack	PM ₁₀	0.129	0.321
51A	Air Set Building North Door (4)	PM ₁₀	0.675	1.687
		CO	0.886	2.215
		NO _x	0.014	0.034
51B	Airset Building East Door (4) 2.582	PM ₁₀		1.033
		CO	1.356	3.390
		NO _x	0.021	0.052
51C	Airset Building South Door (4) 1.350		PM ₁₀	0.540

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		CO	0.709	1.772
		NO _x	0.011	0.027
51D	Airset Building West Door (4) 0.516		PM ₁₀	0.207
		CO	0.271	0.678
		NO _x	0.004	0.010
52A	Shell Building North Door (4) 0.354		PM ₁₀	0.142
52B	Shell Building East Door (4) 0.246		PM ₁₀	0.098
52C	Shell Building South Door (4) 0.246		PM ₁₀	0.098
52D	Shell Building West Door (4) 0.266		PM ₁₀	0.106
53A	Plant II Building North Door (4) 0.004		PM ₁₀	0.0014
53B	Plant II Building East Door (4) 0.004		PM ₁₀	0.0016

(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, suspended in the atmosphere, including PM₁₀

PM₁₀ - particulate matter 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.

NO_x - nitrogen oxides

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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 20 Days/week 5 or Weeks/year 50

Steel Production Rate: Tons/Hour 4.95 Tons/Year 24,750

Dated _____