

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2448

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		
2A	Electric Arc Furnace Stacks 1 and 2 Baghouse		PM		27.40	116.0
			PM ₁₀		21.90	92.0
			CO		390.00	1471.0
			NO _x		23.80	90.0
			SO ₂		83.40	314.0
			VOC		42.00	158.0
F-2	Melt Shop Roof Vents		PM		38.80	163.0
			PM ₁₀		31.00	131.0
			CO		16.20	61.1
			NO _x		0.20	0.7
			SO ₂		0.60	2.4
			VOC		0.40	1.5
F-10	Dolomite Lime Silo (4)		PM		0.64	2.8
			PM ₁₀		0.32	1.4
F-11	Lime Silo (4)		PM		1.00	4.4
			PM ₁₀		0.50	2.2
P-12	Lime Silo Baghouse		PM		0.54	2.3
			PM ₁₀		0.27	1.2
14	Ladle Refining Furnace Baghouse (5)		PM		1.54	6.8
			PM ₁₀		1.23	5.4
			NO _x		1.44	6.3
			CO		15.00	65.7
16	VD Boiler Stack (6)		PM		0.16	0.7
			CO		1.14	5.0
			NO _x		4.57	20.0

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *				
			lb/hr	TPY			
					VOC	0.09	0.4
					SO ₂	0.02	<0.1
18	Vacuum Degasser Ejector (7)			CO	224.00	4.0	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *			
			lb/hr	TPY		
25-1	Continuous Casting Machine		PM	2.43	9.2	
				PM ₁₀	2.41	9.1
				VOC	<0.01	<0.1
25-2	Continuous Casting Machine		PM	2.43	9.2	
				PM ₁₀	2.41	9.1
				VOC	<0.01	<0.1
27	Process Heater (5)		PM		0.32	1.4
				SO _x	0.04	0.2
				NO _x	8.82	38.6
				CO	2.21	9.7
				VOC	0.18	0.8
28	Storage Tank (5)			VOC	0.38	1.6
29	Storage Tank (5)			VOC	0.02	0.1
30	Loading Facility			VOC	0.01	<0.1
31	Loading Facility			VOC	0.03	0.1
33	RMB1-VAT			VOC	0.37	1.6
34	RMB2-VAT			VOC	0.37	1.6
F-35	RMG2-VAT			VOC	0.32	1.4
F-36	RMB3-VAT			VOC	0.64	2.8
F-37	RMB4-VAT			VOC	0.64	2.8
F-38	RMUNM-VAT			VOC	0.32	1.4
F-39	MR1-VAT			VOC	0.32	1.4

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			lb/hr	TPY	
F-40	MR2-VAT			VOC	0.32 1.4
F-41	RMMAIN-VAT			VOC	0.64 2.8

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- (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
PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO_x - total oxides of sulfur
CO - carbon monoxide
SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) 8,760 hours per year.
- (6) The boiler is exempted under Standard Exemption No. 7 and is only listed for source accounting purposes.
- (7) Annual emissions are based on decarbonization of 4,320 tons per year in the degassing unit at a maximum rate of 120 tons per hour.

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

__ Hrs/day __ Days/week __ Weeks/year or 8,428 Hrs/year

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

Dated _____