

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 2430 and PSD-TX-128M1

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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
10	Texas I Lime Silo Baghouse	PM ₁₀	0.03	0.2
11	Texas I Dolomite Silo Baghouse	PM ₁₀	0.03	0.2
13	TX-I Billet Reheat Furnace Stack	PM ₁₀	1.20	4.0
		NO _x	19.80	87.0
		CO	12.50	43.5
		VOC	0.90	2.9
		SO ₂	0.10	0.4
14	Continuous Caster Baghouse	PM ₁₀	0.29	1.2
		CO	4.70	18.7
15	TX-I Ladle Preheat and 3 Heaters	PM ₁₀	0.11	0.5
		NO _x	1.42	6.2
		CO	1.20	5.2
		VOC	0.08	0.3
		SO ₂	0.01	<0.1
21	TX-II Electric Arc Furnaces Baghouse	PM ₁₀	17.10	68.3
		Lead	0.364	1.45
		NO _x	51.25	201.7
		CO	596.54	2347.5
		VOC	34.52	135.8
		SO ₂	12.60	49.6
		Cd	0.010	0.04
		Cr	0.014	0.05
		Cu	0.04	0.2
		Mn	0.73	2.9
		Ni	0.07	0.3
		Zn	4.52	18.1

22	TX-II Lime Storage Baghouse	PM ₁₀	0.03	0.2
23	TX-II Dolomite Storage Baghouse	PM ₁₀	0.03	0.2
24	TX-II Billet Reheat Furnace Stack	PM ₁₀ NO _x CO VOC SO ₂	1.50 27.00 16.50 1.10 0.12	4.6 118.0 50.4 3.3 0.4
26	TX-II Ladle Preheat and 4 Heaters	PM ₁₀ NO _x CO VOC SO ₂	0.12 1.60 1.30 0.09 0.01	0.5 7.0 5.8 0.4 <0.1
FUGII	TX-II Process Fugitives (4)	PM PM ₁₀ NO _x CO VOC SO ₂ Mn Zn Cd Cr Cu Ni	5.56 32.8 0.26 3.06 0.18 0.06 0.0012 0.0009 2.0 x 10 ⁻⁷ 1.0 x 10 ⁻⁴ 1.0 x 10 ⁻⁴ 3.0 x 10 ⁻⁵	65.6 1.0 11.7 0.7 0.3
SLAG	Slag Handling and Bulk Raw Material Handling (4)	PM PM ₁₀	0.95 0.46	3.8 1.9
TXICCT	TX-I Contact Cooling Tower	PM ₁₀	0.14	0.6
TXINCCT	TX-I Non-Contact Cooling Tower	PM ₁₀	0.07	0.3

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			lb/hr	TPY
TXIICCT	TX-II Contact Cooling Tower	PM ₁₀	0.41	1.8
TXIINCCT	TX-II Non-Contact Cooling Tower	PM ₁₀	0.07	0.3
TXIICHCT	TX-II Chiller Cooler Tower	PM ₁₀	0.12	0.5
ROLLMILL	TX-I and TX-II Roll Mill	PM ₁₀	<0.01	<0.01

- (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 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
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in 30 Texas Administrative Code 101.1
Mn - manganese
Zn - zinc
Cd - cadmium
Cr - chromium
Cu - copper
Ni - nickel
- (4) Fugitives are an estimate.

Emissions are based on, and the facilities limited to, the following production limits and/or operating hours:

Texas II Furnaces: 108 tons of steel per hour total production
850,000 tons of steel per year total production

Roll Mill (EPN 13 & 24): 8,760 hours of operation per year operating separately from the Meltshop and Casting Deck

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Dated_____