

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 55142

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>
101	Melt Shop Baghouse Stack (6) - Induction Furnaces Nos. 2 & 3, Air Set Pouring Area No. 2, and Air Cooling Area	PM/PM ₁₀ VOC Pb	2.26 0.96 0.0013	9.88 0.58 0.0008
204	Thermal Reclaimer Baghouse Stack (6) 2.07	PM/PM ₁₀		0.51
		VOC 2.63	11.57	
		NO _x 0.12	0.53	
		CO 3.56	15.59	
		SO ₂ <0.01	<0.01	
301	Machine Shop Fabric Filter Stack (5) - 1.30 Machine Shop Grinders	PM/PM ₁₀		0.30
1	Air Set Pouring Line No. 1 Baghouse Stack (6) - Induction Furnace No. 1 and Air Set Pouring Area No. 1	PM/PM ₁₀ VOC Pb	1.29 0.96 0.0013	5.63 0.58 0.0008
3	New Sand Silo Baghouse Stack (6) - All Sand Silos	PM/PM ₁₀	0.07	0.30
4	Sand Reclaimer Baghouse Stack (6)	PM/PM ₁₀	0.24	1.05
6	Shot Blast Baghouse Stack (5) - Stand Grinders & Shot Blast	PM/PM ₁₀	0.30	1.31
7	Blade Cleaning Baghouse Stack (6)	PM/PM ₁₀	0.51	2.24

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			lb/hr	TPY
11	Painting Operation Stack (5)	PM	0.23	0.04
		VOC	2.88	0.56
12	Heat Treat Oven Stack (5)	PM/PM ₁₀	0.01	0.03
		VOC	0.01	0.02
		NO _x	0.10	0.44
		CO	0.08	0.37
		SO ₂	<0.01	<0.01
F1	Building Fugitives (4)	PM	1.30	3.70
		VOC	0.21	0.01
		NO _x	0.01	0.01
		CO	0.01	<0.01
		SO ₂	<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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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.

CO - carbon monoxide

Pb - Lead

(4) Emissions are based on a combination of multiple emission points which are authorized by either a Standard Exemption, Permit by Rule (PBR), or this permit.

(5) Emissions are authorized through a Standard Exemption or a PBR.

(6) Emissions are based on and the facilities are limited by the following maximum operating schedule and production rates:

12 Hrs/day 7 Days/week 52 Weeks/year or 4,368 Hrs/year

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			<u>lb/hr</u>	<u>TPY</u>

Dated June 28, 2004