

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number: 78370

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) TPY	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	
C1	Sand Silo Receiving	PM/PM ₁₀	0.41	0.43
C2	Sand Blasting	PM PM ₁₀ 0.16	0.66 0.39	1.65
C3	Sand Handling/Mold Making	PM/PM ₁₀	0.41	0.43
1	Induction Furnace No. 1	PM PM ₁₀ 0.05	0.05 -	-
2	Induction Furnace No. 2	PM PM ₁₀ 0.03	0.03 -	-
3	Induction Furnace No. 3	PM PM ₁₀ 0.01	0.02 -	-
1-3	Total Furnace Operations	PM PM ₁₀ -	- 0.02	0.02
4	Cooling Tower	PM/PM ₁₀	0.02	0.06
5	Pouring and Casting**	PM/PM ₁₀ C ₆ H ₅ OH CH ₂ O 0.26 VOC 8.65	2.66 1.64 <0.01 6.00	0.56 <0.01
6	Charge Handling	PM/PM ₁₀	0.34	0.07
7	Casting Cleaning	PM/PM ₁₀	1.62	0.34
8	Casting Cooling	PM/PM ₁₀	1.33	0.28

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
9	Propane Heating	PM/PM ₁₀	<0.01	<0.01
		SO ₂	<0.01	
		NO _x	0.01	
		CO	<0.01	
		VOC	<0.01	

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter.

CO - carbon monoxide

C₆H₅OH - phenol

CH₂O - formaldehyde

(4) Fugitive emissions are an estimate only.

* Refer to special conditions for throughput limitations and basis of emission rates.

** Emissions rates subject to change based on the response to the modeling letter dated July 31, 2006