

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7917

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>	
			lb/hr	TPY
707	Preheater/ Furnace (3units) Baghouse Stack	PM/PM ₁₀ /PM _{2.5}	0.12	0.53
		CO	0.93	4.07
		NO _x	1.10	4.82
		SO ₂	0.01	0.04
		VOC	0.06	0.26
701A	Sand System, Casting Pouring Operations, Cooling Lines, and Casting Shakeout Baghouse Stack	PM/PM ₁₀ /PM _{2.5}	0.71	3.11
		SO ₂	<0.01	0.01
		VOC	0.75	3.29
		NO _x	<0.01	<0.01
701B	Casting Cleaning Operations Baghouse Stack	PM/PM ₁₀ /PM _{2.5}	0.99	4.34
702A/702B	Core Room Operations Scrubbers	DMEA (VOC)	0.10	0.44
707FUG	Furnace and Preheater Fugitives (4)	PM/PM ₁₀ /PM _{2.5}	0.03	0.12
		CO	0.08	0.35
		NO _x	0.10	0.44
		SO ₂	<0.01	<0.01
		VOC	0.01	0.04
701AFUG	Sand System, Casting Pouring Operations, Cooling Lines, and Casting Shakeout Fugitives (4)	PM/PM ₁₀ /PM _{2.5}	1.32	5.81
		NO _x	<0.01	<0.01
		SO ₂	<0.01	<0.01
		VOC	0.37	1.62

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701BFUG	Casting Cleaning Fugitives (4)	PM/PM ₁₀ /PM _{2.5}	0.34	1.49
702A/BFUG	Core Room Fugitives (4)	DMEA (VOC)	0.48	2.08

- (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)
 - 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
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - DMEA - dimethylethylamine vapor
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
- (4) Fugitive emissions are an estimate only