

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, sources, and related activities. 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)	Emission Rates (6)	
			lbs/hour	TPY (4)
707	Preheater/Furnace (3 Units) Baghouse Stack	PM	0.12	0.53
		PM ₁₀	0.12	0.53
		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	0.71	3.11
		PM ₁₀	0.71	3.11
		PM _{2.5}	0.71	3.11
		SO ₂	<0.01	0.01
		VOC	0.75	3.29
		NO _x	<0.01	<0.01
		Benzene	0.086	0.375
701B	Casting Cleaning Operations Baghouse Stack	PM	0.99	4.34
		PM ₁₀	0.99	4.34
		PM _{2.5}	0.99	4.34
702A/702B	Core Room Operations Scrubber Stacks	DMEA (VOC)	0.10	0.44
707FUG	Furnace and Preheater Fugitives (5)	PM	0.09	0.19
		PM ₁₀	0.09	0.19
		PM _{2.5}	0.09	0.19
		CO	0.08	0.35
		NO _x	0.10	0.44
		SO ₂	<0.01	<0.01

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		VOC	0.01	0.04
701AFUG	Sand System, Casting Pouring Cooling and Casting Shakeout Fugitives (5)	PM	3.90	4.73
		PM ₁₀	3.90	4.73
		PM _{2.5}	3.90	4.73
		NO _x	<0.01	<0.01
		SO ₂	<0.01	<0.01
		VOC	0.37	1.62
		Benzene	0.086	0.375
702A/BFUG	Core Room Fugitives (5)	DMEA (VOC)	0.48	2.08

- (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
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: January 24, 2020