

Emission Sources - Maximum Allowable Emission Rates

Permit Number 4087

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 (7)	
			lbs/hour	TPY (4)
1	Shot Blast Dust Collector Stack	PM	0.48	2.10
		PM ₁₀	0.48	2.10
2	Water Eater 375G Stack (6)	PM	<0.004	0.005
		PM ₁₀	<0.004	0.005
		NO _x	0.04	<0.001
		CO	0.033	<0.001
		SO ₂	<0.001	<0.001
		VOC	0.002	<0.001
3	Mold Baghouse Stack (Centrifugal Molds and Furnace Cleaning)	PM	<0.001	<0.007
		PM ₁₀	<0.001	<0.007
		PM _{2.5}	<0.001	<0.007
4	Steel Melting Baghouse Stack (Large Castings EIF)	PM	0.025	0.0025
		PM ₁₀	0.025	0.0025
		PM _{2.5}	0.025	0.0025
FUG1	Foundry Building (11 Induction Furnaces, Charge Handling, Boring Oven, 5 Heat Treat Ovens, 1 Mold Oven, Ladle Heater, Polymer Quench Tank, End Plate Work Station, and Casting Cutting (5) (6)	PM	0.15	0.24
		PM ₁₀	<0.15	<0.24
		PM _{2.5}	0.14	0.21
		NO _x	2.17	9.52
		CO	1.83	<8.01
		SO ₂	0.015	0.053

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		VOC	0.75	0.523
FUG2	Machine Shop Building (5) (6) (25 Lathes, 2 Honing Machines, Miscellaneous Grinding and Machining, and Water Eater 125E)	PM	0.26	<0.38
		PM ₁₀	0.26	<0.38
		VOC	1.35	2.02
ALL	ALL	HAPS	<0.005	<0.02

- (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
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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) The HAPs to include Co, chromium, cadmium, manganese, and nickel are included in the PM and VOC values.
- (7) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: February 22, 2016