

Emission Sources - Maximum Allowable Emission Rates

Permit Number 52524

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)
BLDGFUG	Roof Vents 1-7 (5 & 8) Melt Furnace 1A	PM	0.04	0.10
		PM ₁₀	0.04	0.10
		PM _{2.5}	0.03	0.08
		NO _x	0.11	0.48
		VOC	0.01	0.04
		CO	0.15	0.65
		SO ₂	<0.01	<0.01
BLDGFUG	Roof Vents 1-7 (5 & 8) Melt Furnace 2A	PM	0.04	0.10
		PM ₁₀	0.04	0.10
		PM _{2.5}	0.03	0.08
		NO _x	0.11	0.48
		VOC	0.01	0.04
		CO	0.15	0.65
		SO ₂	<0.01	<0.01
BLDGFUG	Roof Vents 1-7 (5 & 8) Melt Furnace 3A	PM	0.04	0.10
		PM ₁₀	0.04	0.10
		PM _{2.5}	0.03	0.08
		NO _x	0.11	0.48
		VOC	0.01	0.04
		CO	0.15	0.65

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		SO ₂	<0.01	<0.01
BLDGFUG	Roof Vents 1-7 (5, 8, & 9)	PM	-	0.23
		PM ₁₀	-	0.23
	Melt Furnace 1A, 2A, and 3A; and Aluminum Pouring/ Casting	PM _{2.5}	-	0.21
		NO _x	-	1.46
		VOC	-	0.17
		CO	-	1.95
		SO ₂	-	0.28
BLDGFUG	Roof Vents 1-7 (5 & 8)	NO _x	<0.01	0.02
		VOC	0.01	0.04
	Aluminum Pouring/ Casting	SO ₂	0.10	0.27
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as listed below:				
Unregistered Permit By Rule 106.227: Soldering, Welding, and Brazing				
BLDGFUG	Welding (7)	PM	0.12	<0.01
		PM ₁₀	0.12	<0.01
		PM _{2.5}	0.12	<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
- 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 and will need separate authorization unless the activity can meet the conditions of 30 TAC 116.119.

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- (7) Emissions from welding exit the building as fugitives through the roof vents with the emissions from the permitted sources.
- (8) Aluminum, zinc, iron, silicon, indium, and silver are included in the particulate matter.
- (9) Annual emission values include the annual NO_x, VOC, and SO₂ emissions from aluminum pouring and casting operations.

Date: March 14, 2014