

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 76522

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
FE-CASTING	Process Building Ridge Vent (No. 5 STAHL Aluminum Furnace and Casting, Nos. 3 and 4 Crucible Aluminum Furnaces and Casting, Nos. 1 and 2 Ajax Stainless Furnaces and Casting, No. 7 Ajax Copper, Lead, Tin, Zinc Furnace and Casting, Breakout and Sand Return, Fugitives from E-STAH6) (4)	PM/PM ₁₀	0.90	1.70
		VOC	0.30	0.50
		CO	0.60	1.10
		NO _x	<0.01	<0.01
		SO ₂	<0.01	<0.01
FE-AIRSET	Core and Molding Machines (No-bake) - 5 (4)	VOC	2.00	3.80
E-DIDION	Didion Drum (Airset Sand Reclamation Dust Collector Stack and Calciner)	PM/PM ₁₀	0.90	1.70
E-THERM	Natural Gas Thermfire Unit (Airset Sand Reclamation Dust Collector Stack and Calciner)	PM/PM ₁₀	0.51	0.91
		VOC	0.21	0.31
		CO	0.07	0.13
		NO _x	0.08	0.15
		SO ₂	<0.01	<0.01

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E-TUMBLE		PM/PM ₁₀	0.20	0.40
	Tumble Blast Unit Dust Collector Stack			
E-STAH6		PM	0.44	1.00
	No. 6 Stahl Natural Gas	PM ₁₀	0.28	0.66
	Fired Aluminum	VOC	0.02	0.11
	Melting/Holding	CO	0.37	1.62
	Furnace	NO _x	0.44	1.93
		SO ₂	<0.01	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 Title 30 Texas Administrative Code § 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.

Dated June 1, 2009