

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 148326

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 (5)	
			lbs/hour	TPY (4)
FE-CASTING	Process Building Fugitives (5) FIN's-(Green Sand Mold Making; Airset Mold and Core Making; AJAX7,AJAX1 & 2, STAHL 6, and Pot Furnace Melting and Pouring; Breakout; and STAHL6, Pot Crucible 3 & 4, and Thermfire burners)	PM	1.11	1.29
		PM <sub>10</sub>	1.11	1.29
		PM <sub>2.5</sub>	0.58	0.28
		NO <sub>x</sub>	1.06	1.56
		CO	1.79	2.13
		VOC	3.40	1.26
		SO <sub>2</sub>	0.01	0.01
E-DIDION	Didion Sand Reclamation Dust Collector Stack	PM	0.90	1.05
		PM <sub>10</sub>	0.90	1.05
		PM <sub>2.5</sub>	0.11	0.13
E-THERM	Thermfire Unit Dust Collector Stack	PM	0.56	0.66
		PM <sub>10</sub>	0.56	0.66
		PM <sub>2.5</sub>	0.07	0.08
		VOC	0.14	0.14
E-Tumble	Tumble Blast Unit Dust Collector Stack	PM	0.20	0.23
		PM <sub>10</sub>	0.20	0.23
		PM <sub>2.5</sub>	0.02	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<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - 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.

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(5) 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 conditions of 30 TAC 116.119.

Date: May 30, 2018