

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 43069

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)	Emission Rates *	
			lb/hr	TPY
SCR	Scrap Storage, Handling, and Charging (4)	PM	2.53	3.51
		PM ₁₀	0.86	1.19
B-1	Melting Baghouse Stack	PM ₁₀	4.46	19.52
		NO _x	0.10	0.15
		SO ₂	0.21	0.29
		VOC	1.46	2.03
		Pb	0.052	0.23
		Mn	0.015	0.064
		Trace	<0.002	<0.004
B-2	Sand System Baghouse Stack	PM ₁₀	4.37	19.15
		VOC	13.70	19.80
		Pb	<0.001	<0.001
		Mn	<0.001	<0.002
		Trace	<0.001	<0.004
B-3	Grinding and Blasting Baghouse Stack	PM ₁₀	1.54	6.76
		Pb	<0.001	<0.001
		Mn	<0.001	<0.002
		Trace	<0.001	<0.001
SSS	Shell Sand Silo Stack	PM ₁₀	0.09	0.34
SCM	Shell Core Manufacturing (4)	PM	0.10	0.14
		PM ₁₀	0.02	0.02
		VOC	0.08	0.11

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
NGC	Natural Gas-Fired Process Heaters (5)	PM ₁₀	1.86	1.86
		NO _x	24.51	24.51
		CO	20.59	20.59
		SO ₂	0.15	0.15
		VOC	1.35	1.35
		Pb	<0.001	<0.001
PC	Pipe Coating	VOC	57.72	56.10
FC	Fitting Coating	VOC	16.28	15.83
WSDH	Waste Sand Handling (4)	PM	0.22	0.31
		PM ₁₀	0.07	0.09
WSGH	Waste Slag Handling (4)	PM	0.19	0.27
		PM ₁₀	0.06	0.08

- (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 area name or fugitive source name.
- (3) PM - particulate matter suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 CO - carbon monoxide
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
 Pb - lead and lead compounds
 Mn - manganese and manganese compounds
 Trace - antimony, arsenic, beryllium, cadmium, chromium, cobalt, mercury, nickel, and selenium and compounds of these metals
- (4) Fugitive emissions are an estimate only.
- (5) Emissions are based on a maximum design firing rate of 250 MMBtu/hr and 500,000 MBTU/yr of natural gas fuel.

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- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Dated _____