

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. S-9806

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
T-1	Sand Tank 1 Baghouse Stack	PM	0.0001	0.0003
		PM ₁₀	0.0001	0.0003
T-2	Sand Tank 2 Baghouse Stack	PM	0.0001	0.0003
		PM ₁₀	0.0001	0.0003
T-3	Sand Tank 3 Baghouse Stack	PM	0.0001	0.0003
		PM ₁₀	0.0001	0.0003
T-4	Sand Tank 4 Baghouse Stack	PM	0.0001	0.0003
		PM ₁₀	0.0001	0.0003
T-5	Sand Tank 5 Baghouse Stack	PM	0.0001	0.0003
		PM ₁₀	0.0001	0.0003
T-6	Sand Tank 6 Baghouse Stack	PM	0.0001	0.0003
		PM ₁₀	0.0001	0.0003
F-1	Electric Induction Furnace 1	PM	1.44	2.25
		PM ₁₀	1.44	2.25
F-2	Electric Induction Furnace 2	PM	1.44	2.25
		PM ₁₀	1.44	2.25
CORE-FUG	Core Making Fugitives (4)	PM	1.15	3.44
		PM ₁₀	0.58	1.72
CLEAN-FUG	Cleaning and Finishing Fugitives (4)	PM	0.42	1.25
		PM ₁₀	0.21	0.63
SCRAP-FUG	Scrap and Charge Fugitives (4)	PM	0.83	2.50
		PM ₁₀	0.42	1.25

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
HEAT-1	Preheater Vent	PM	0.23	0.84
		PM ₁₀	0.23	0.84
		SO ₂	0.02	0.07
		NO _x	0.51	1.91
		CO	0.63	2.36
BH - 1	Sand Handling Area Baghouse	PM	5.49	8.53
		PM ₁₀	5.49	8.53

- (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.
 SO₂ - sulfur dioxide
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.

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

24 Hrs/day 6 Days/week 52 Weeks/year or _____Hrs/year

Maximum melt rate: 8.0 tons/hour 25,000 tons/year

Dated_____