

## 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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
T-1	Sand Tank 1 Baghouse Stack	TSP PM <sub>10</sub>	0.0001 0.0001	0.0003 0.0003
T-2	Sand Tank 2 Baghouse Stack	TSP PM <sub>10</sub>	0.0001 0.0001	0.0003 0.0003
T-3	Sand Tank 3 Baghouse Stack	TSP PM <sub>10</sub>	0.0001 0.0001	0.0003 0.0003
T-4	Sand Tank 4 Baghouse Stack	TSP PM <sub>10</sub>	0.0001 0.0001	0.0003 0.0003
T-5	Sand Tank 5 Baghouse Stack	TSP PM <sub>10</sub>	0.0001 0.0001	0.0003 0.0003
T-6	Sand Tank 6 Baghouse Stack	TSP PM <sub>10</sub>	0.0001 0.0001	0.0003 0.0003
F-1	Electric Induction Furnace 1	TSP PM <sub>10</sub>	1.44 1.44	2.25 2.25
F-2	Electric Induction Furnace 2	TSP PM <sub>10</sub>	1.44 1.44	2.25 2.25
CORE-FUG	Core Making Fugitives (4)	TSP PM <sub>10</sub>	1.15 0.58	3.44 1.72
CLEAN-FUG	Cleaning and Finishing Fugitives (4)	TSP PM <sub>10</sub>	0.42 0.21	1.25 0.63

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
SCRAP-FUG	Scrap and Charge Fugitives (4)	TSP	0.83	2.50
		PM <sub>10</sub>	0.42	1.25
HEAT-1	Preheater Vent	TSP	0.23	0.84
		PM <sub>10</sub>	0.23	0.84
		SO <sub>2</sub>	0.02	0.07
		NO <sub>x</sub>	0.51	1.91
		CO	0.63	2.36

- (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) TSP - total suspended particulate including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter less than 10 microns in diameter  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 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