

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

3404

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
F1	Scrap Handling	TSP*	2.08	4.0
		PM10*	1.25	2.39
F2	Treatment	TSP*	1.00	2.00
		PM10*	0.40	0.81
F3	Pouring	TSP*	2.92	5.60
		PM10*	2.92	5.60
F4	Casting Cooling	TSP*	0.22	0.42
		PM10*	0.22	0.42
F5	Shakeout	TSP***	0.84	1.61
		PM10***	0.58	1.13
DCE	Grinder Filters	TSP*	0.30	0.56
		PM10*	0.04	0.06
47A	Jet III Fabric Filter	TSP**	0.044	0.086
		PM10**	0.038	0.074
47C	Cartidge Filter	TSP**	0.09	0.128
		PM10**	0.05	0.108
47F	Fabric Filter	TSP*	0.44	0.85
		PM10*	0.04	0.08
47J	Venturi-Rod Scrubber	TSP**	2.52	4.88
		PM10**	2.48	4.80
47O	Jet III Fabric Filter	TSP*	0.008	0.016
		PM10*	0.008	0.016

47P	Jet III Fabric Filter	TSP***	0.52	0.97
		PM10***	0.52	0.97
47Q	Venturi-Rod Scrubber	TSP**	0.392	0.736
		PM10**	0.388	0.728

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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 matter (including PM10).
PM10 - particulate matter less than 10 microns
 - * - PM emissions consist mainly of iron oxide
 - ** - PM emissions consist of iron oxides and sand
 - *** - PM emissions consist mainly of sand

Emission rates are based on the portion of emissions due to the operation of Electric Induction Furnace No. 5. The facilities are limited by the following maximum operating schedule and production rates:

Hrs/day 24 Days/week 6 Weeks/year 51 or Hrs/year 7,344
Furnace No. 5: Tons/hour 10.4 Tons/year 40,000