

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21540

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
001	Furnace Dust Collector	PM <sub>10</sub>	1.5	1.5
		NO <sub>x</sub>	0.40	0.40
002	Shotblast Dust Collector	PM <sub>10</sub>	0.97	1.46
003	Air Arc Booth Cartridge Filter	PM <sub>10</sub>	0.51	0.77
004	Wheelabrater Shotblast Fabric Filter	PM <sub>10</sub>	0.45	0.68
007	Paint Operation Exhaust	PM <sub>10</sub>	0.80	0.02
		VOC	4.4	0.11
FUG	Building/Furnace Fugitive (4 and 5)	PM <sub>10</sub>	3.25	2.0
		NO <sub>x</sub>	0.16	0.25
		CO	0.08	0.16
		SO <sub>2</sub>	<0.001	0.001
		VOC	<0.01	0.01

(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) NO<sub>x</sub> - total oxides of nitrogen

PM<sub>10</sub> - particulate matter (PM) 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

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds

(4) Fugitive emissions are an estimate only.

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(5) Emissions are from sources that include hand held grinders, welding operations, and furnace fugitives.

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

Arc Furnace and Induction Furnace Operating Hours:

12 Hrs/day 6 Days/week 52 Weeks/year or 2,000 Hrs/year

The annual combined throughput from both the arc furnace and the induction furnace shall not exceed 2,800 tons of stainless steel or low carbon steel.

Other Plant Operations:

12 Hrs/day 6 Days/week and 52 Weeks/year

Welding operations are limited to the annual use of 6,000 pounds of mild steel electrode/wire and 1,750 pounds of stainless steel electrode/wire.

Paint operations are limited to the use of not more than 1 gallon per hour and 52 gallons per year.

Dated\_\_\_\_\_