

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 214B

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
<u>TPY</u>				
1	Melting Furnace Stack	PM <sub>10</sub>	0.91	1.98
		NO <sub>x</sub>	0.45	1.58
		SO <sub>2</sub>	<0.01	< 0.01
		CO	0.10	0.33
		VOC	<0.03	0.09
		Al (4)	0.86	1.79
2	Sand Silo Baghouse Vent	PM <sub>10</sub>	1.14	2.38
3	Core Machine Scrubber	NH <sub>3</sub>	0.05	0.10

(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) PM - particulate matter

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

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

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

CO - carbon monoxide

Al - aluminum

NH<sub>3</sub> - ammonia

(4) Aluminum emissions included in PM<sub>10</sub> quantity.

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

Hrs/day 16 Days/week 5 Weeks/year 52 or Hrs/year 4,160

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- A. Aluminum Melting Furnace: 2,000 lbs./hr. and 4,160 tons/yr. Furnace burners may operate 24 hours per day to maintain temperature of molten aluminum, but adding of ingots or return scrap for melting is limited to the above schedule.
- B. Sand Silo: 950,000 pounds per year