

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17823

This table lists the maximum allowable emission rates for all permitted sources and emission rates for exempt sources 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 rates allowed for these facilities. Any proposed increase in emission rates for permitted sources may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	Air Contaminant		Emission Rates	
			lb/hr	TPY		
1M	Melting Furnace No. 1 Stack			PM <sub>10</sub>	2.03	7.00
				VOC	0.10	0.45
				NO <sub>x</sub>	5.14	22.47
				SO <sub>2</sub>	0.02	0.10
				CO	1.28	5.62
				HF	0.01	0.04
				HCl	0.01	0.04
2M	Melting Furnace No. 2 Stack			PM <sub>10</sub>	2.03	7.00
				VOC	0.10	0.45
				NO <sub>x</sub>	5.14	22.47
				SO <sub>2</sub>	0.02	0.10
				CO	1.28	5.62
				HF	0.01	0.04
				HCl	0.01	0.04
3H	Holding Furnace Stack			PM <sub>10</sub>	0.08	0.26
				VOC	0.04	0.12
				NO <sub>x</sub>	1.79	5.84
				SO <sub>2</sub>	0.01	0.03
				CO	0.45	1.46
4H	Homogenizing Furnace Stack			PM <sub>10</sub>	0.12	0.31
				VOC	0.05	0.14
				NO <sub>x</sub>	2.70	7.07
				SO <sub>2</sub>	0.01	0.03
				CO	0.68	1.77
DCSTK	Dross Cooler Baghouse Stack			PM <sub>10</sub>	1.29	2.70
CASTFUG	Cast House Fugitives (4)			PM <sub>10</sub>	1.40	0.96

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VOC	0.01	0.01
NO <sub>x</sub>	0.08	0.25
SO <sub>2</sub>	<0.01	<0.01
CO	0.02	0.06

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates</u> TPY	
BILFURN1	Billet Furnace No. 1 Stack	PM <sub>10</sub>	0.04	0.12	
		VOC	0.22	0.95	
		NO <sub>x</sub>	0.13	0.44	
		SO <sub>2</sub>	<0.01	0.02	
		CO	0.21	0.69	
BILFURN2	Billet Furnace No. 2 Stack	PM <sub>10</sub>	0.01	0.05	
		VOC	0.21	0.89	
		NO <sub>x</sub>	0.05	0.17	
		SO <sub>2</sub>	<0.01	0.01	
		CO	0.08	0.27	
BILFURN3	Billet Furnace No. 3 Stack	PM <sub>10</sub>	0.04	0.12	
		VOC	0.23	0.96	
		NO <sub>x</sub>	0.14	0.46	
		SO <sub>2</sub>	<0.01	0.02	
		CO	0.22	0.73	
AGEOVEN1	Age Oven No. 1 Stack	PM <sub>10</sub>	<0.01	0.03	
		VOC	<0.01	0.02	
		NO <sub>x</sub>	0.03	0.10	
		SO <sub>2</sub>	<0.01	<0.01	
		CO	0.05	0.16	
AGEOVEN2	Age Oven No. 2 Stack	PM <sub>10</sub>	0.02	0.05	
		VOC	0.01	0.05	
		NO <sub>x</sub>	0.06	0.20	
		SO <sub>2</sub>	<0.01	0.01	
		CO	0.10	0.32	
AGEOVEN3	Age Oven No. 3 Stack	PM <sub>10</sub>	0.02	0.05	
		VOC	0.01	0.05	

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		NO <sub>x</sub>	0.06	0.20
		SO <sub>2</sub>	<0.01	0.01
		CO	0.10	0.33
DIEOVEN1	Die Oven Stack	PM <sub>10</sub>	<0.01	0.01
		VOC	<0.01	0.01
		NO <sub>x</sub>	0.02	0.05
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.03	0.08

- (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<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  
HF - hydrogen fluoride  
HCl - hydrochloric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day 24 Days/week 7 Weeks/year 52

Melting Furnace No. 1: Tons/hour 34

Melting Furnace No. 2: Tons/hour 34

Total Facility Production: Tons/month 7,500 Tons/year 90,000

Dated \_\_\_\_\_