

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19430

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>	
			<u>lb/hr</u>	<u>TPY</u>
P-6	Rotary Furnace Baghouse/ Scrubber Stack	PM	1.12	4.92
		PM <sub>10</sub>	1.12	4.92
		Pb	0.60	0.66
		<b>Sn</b>	<b>0.530</b>	<b>2.320</b>
		<b>Sb</b>	<b>0.005</b>	<b>0.020</b>
		<b>Cd</b>	<b>0.004</b>	<b>0.020</b>
		<b>As</b>	<b>0.006</b>	<b>0.030</b>
		SO <sub>2</sub>	0.07	0.60
		TRS 0.05	0.44	
		VOC	3.87	16.95
		HBr	1.20	5.300
		HCl	0.40	1.80
		CO	0.09	0.38
		NO <sub>x</sub>	0.10	0.45
P-12	Shredder Baghouse (FINS S-8, S-9, S-10, S-11, S-12, S-19, and S-21)	PM <sub>10</sub>	2.73	11.97
		Pb	0.08	0.09
		SO <sub>2</sub>	<0.01	0.04
		VOC	0.02	0.08
		CO	0.28	1.25
		NO <sub>x</sub>	0.34	1.49
P-14	Hygiene Baghouse (FINS S-13, S-14, S-23, S-25 thru S-34, and S-37 thru S-42)	PM <sub>10</sub>	3.45	15.11
		Pb	2.00	8.76
		HNO <sub>3</sub>	0.02	0.08
		HCl	<0.01	<0.01
		NH <sub>3</sub>	0.14	0.61
		NaOH	<0.01	<0.01
		<b>Sn</b>	<b>0.46</b>	<b>2.000</b>

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P-15	Refining Kettle Baghouse (FINs S-1 thru S-5, and S-7)	PM <sub>10</sub>	0.99	4.34
		Pb		0.20
		0.22		
		<b>Sn</b>	<b>0.009</b>	<b>0.040</b>
		SO <sub>2</sub>	4.93	21.60
		TRS	4.62	20.2
		VOC	0.01	0.90
		CO	0.21	0.90
P-16A-E	Kettle Burners ( Refining Kettles 1 -5)	NOx	0.24	1.07
		PM <sub>10</sub>	0.07	0.30
		CO	0.75	3.28
		SO <sub>2</sub>	<0.01	0.02
		NO <sub>x</sub>	0.89	3.91
P-17	Blender/Dryer Baghouse Stack	PM <sub>10</sub>	0.44	1.95
		Pb	0.32	0.35
P-20	Precious Metal Scrubber (FINs S-20 and S-24)	PM <sub>10</sub>	0.41	1.76
		HNO <sub>3</sub>	0.35	1.52
		HCl	0.05	0.24
		NH <sub>3</sub>	<0.01	<0.01
		NaOH	<0.01	<0.01
P-22	Electrolytic Process Scrubber (FIN S-22)	PM <sub>10</sub>		<0.01
		0.11		
		H <sub>2</sub> SiF <sub>6</sub>	0.31	1.38
		HF	0.17	0.75
		P <sub>2</sub> O <sub>5</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
P-24	Crucible Furnace Exhaust FINs S-35 and S-36)	PM <sub>10</sub>	<0.01	0.03
		SO <sub>2</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		CO	0.09	0.38
		NOx	0.10	0.45
P-25	Blender/Dryer Burners (FIN S-17 Products of Combustion)	PM <sub>10</sub>	0.02	0.08
		SO <sub>2</sub>	<0.01	<0.01
		VOC	0.01	0.06
		CO	0.21	0.90
		NOx	0.24	1.07

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- (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 PM<sub>10</sub>  
PM<sub>10</sub> - particulate matter less than 10 microns  
Pb - lead and lead compounds  
Sn - tin and tin compounds  
Sb - antimony and antimony compounds  
Cd - cadmium and cadmium compounds  
As - arsenic and arsenic compounds  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in General Rule 101.1  
HBr - hydrogen bromide  
HCl - hydrogen chloride  
HNO<sub>3</sub>- nitric acid  
P<sub>2</sub>O<sub>5</sub> - phosphorus pentoxide  
TRS - total reduced sulfur  
NH<sub>3</sub> - ammonia  
NaOH- sodium hydroxide  
H<sub>2</sub>SiF<sub>6</sub>- fluosilicic acid  
HF - hydrogen fluoride  
CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen

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

24 Hours/day    7 Days/week    52 Weeks/year or  
8,760 Hours/year

Maximum Rotary Furnace Charging Rates:    4 Tons/hour    35,000  
Tons/year

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Dated\_\_\_\_\_