

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 38999

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	Industrial Boiler Stack	PM <sub>10</sub>	0.02	0.04
		VOC	0.02	0.04
		NO <sub>x</sub>	0.45	0.90
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.11	0.23
002	Surface Furnace No. 1 Stack	PM <sub>10</sub>	<0.01	0.03
		VOC	<0.01	0.03
		NO <sub>x</sub>	0.14	0.61
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.04	0.15
003	Surface Furnace No. 2 Stack	PM <sub>10</sub>	<0.01	0.03
		VOC	<0.01	0.03
		NO <sub>x</sub>	0.14	0.61
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.04	0.15
004	Lindberg Furnace Stack	PM <sub>10</sub>	0.02	0.07
		VOC	0.02	0.06
		NO <sub>x</sub>	0.35	1.50
		SO <sub>2</sub>	<0.01	0.01
		CO	0.09	0.38
005	Ipsen Furnace Stack	PM <sub>10</sub>	<0.01	0.02
		VOC	<0.01	0.02
		NO <sub>x</sub>	0.07	0.31
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.02	0.08

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			<u>lb/hr</u>	<u>TPY</u>
006	Parts Washer No. 1 (5)	VOC	1.00	4.00
007	Parts Washer No. 2 (5)	VOC	1.00	4.00
008	Hot Water Heater (5)	PM <sub>10</sub>	<0.01	0.01
		VOC	<0.01	0.01
		NO <sub>x</sub>	0.03	0.12
		SO <sub>2</sub>	<0.01	<0.01
		CO	<0.01	0.03
009	Plating Line and Paint Booth 2.00 Scrubber Stack (5)	VOC		2.00
011	Plating Line Vent	HNO <sub>3</sub>	0.02	0.08
		H <sub>2</sub> SO <sub>4</sub>	0.002	0.008
012	Cooling Tower (5)	PM	0.02	0.10
013	Black Oxide Coater	NaOH	0.005	0.02
014	Nickel Plate Scrubber	Ni	2.3E-5	1.0E-4
015	Chromium Plating Line Scrubber Stack	Cr	5.79E-5	1.29E-4
		CrVI	2.77E-5	6.07E-5
		HCl	0.002	0.009
016	Liquid Nitrogen Tank (5)	---	---	---
017	Lab Hood Exhaust (5)	VOC	5.0E-6	2.2E-5
Fug-01	Building Vents (4)	PM	1.00	3.5
		VOC	5.00	10.00
		HCl	0.002	0.009
		Cr	2.4E-5	5.3E-5
		CrVI	1.2E-5	2.6E-5

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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) PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.
  - PM<sub>10</sub> - particulate matter 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.
  - 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
  - HNO<sub>3</sub> - nitric acid
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - NaOH - sodium hydroxide
  - Ni - nickel
  - Cr - total chromium
  - CrVI - hexavalent chromium
  - HCl - hydrochloric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These emission points remain exempted as authorized by special exemption September 19, 1979.

\* Emission rates are based on and the facilities are limited by the

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			<u>lb/hr</u>	<u>TPY</u>

following maximum operating schedule:

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

Dated\_\_\_\_\_