

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. S-18963

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>	
			lbs/hr	TPY
F1	Hardening Furnaces	QO	0.014	0.052
		CO	0.90	3.95
S9	Hardening Furnaces	QO	0.014	0.052
		CO	0.90	3.95
S11	Hardening Furnaces	QO	0.014	0.052
		CO	0.90	3.95
F2	Tempering Furnaces	QO	0.236	0.907
S10	Tempering Furnaces	QO	0.236	0.907
S12	Tempering Furnaces	QO	0.236	0.907
S3	Plating Tanks Wet Scrubber Stack	Cr	0.0000427	0.000131
S4	Plating Tanks Wet Scrubber Stack	Cr	0.0000513	0.000157
S7	Plating Tanks Wet Scrubber Stack	Cr	0.0000342	0.000105
S13	Acid Tank (Parts Stripping) - Wet Scrubber Stack	HCl	<0.001	<0.001
S14-1	Pretreatment Tank - Wet Scrubber Stack	HCl	0.022	0.096

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S14-2	Acid Tanks (Lines No. 1 and 2) - Wet Scrubber Stack	HCl	<0.001	<0.001
S14-3	Acid Tank (Line No. 3) - Wet Scrubber Stack	HCl	<0.001	<0.001

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lbs/hr	TPY
S14-4	Acid Tank (Line No. 4) - Wet Scrubber Stack	HCl	<0.001	<0.001
S14-5	Acid Tank (Line No. 5) - Wet Scrubber Stack	HCl	<0.001	<0.001
S14-1 through S14-5	Plating Shop Fugitive (4)	Cr	0.0000004	0.000001
S-15**	Parts Painting Operation	VOC	6.0	13.0

- (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)
 - QO - quench oil
 - CO - carbon monoxide
 - Cr - chromium (hexavalent)
 - HCl - hydrochloric acid
 - VOC - volatile organic compounds
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Emission rates for quench oil from the hardening and tempering furnaces are based on and the facility is limited to the addition of a maximum 1,140 gallons of quench oil per month. When the maximum quench oil is added then at least 960 gallons of quench oil must be removed. Quench oil may be added and removed at a ratio of 1 gallon of oil added for 0.84

gallons of oil removed to the limits expressed above during uniform operation for no more than 7,700 hours per year.

- * Emission rates for chromium (hexavalent) plating tanks are based on and the facility is limited by the following maximum operating restrictions:

<u>EPN</u>	<u>Plater Tanks</u>	<u>Amperage</u>	<u>Annual Usage</u>
S3	Udylite Plater	3,000 amps	6,120 hrs/yr
S3	Chiro Plater	2,000 amps	6,120 hrs/yr
S4	Napco Plater	6,000 amps	6,120 hrs/yr
S7	Chiro Plater	2,000 amps	6,120 hrs/yr
S7	Chiro Plater	2,000 amps	6,120 hrs/yr

- * Emission rates for acid (HCl) tanks associated with the plating lines are based on and the facility is limited by the following maximum operating restrictions:

<u>EPN</u>	<u>Acid Tank</u>	<u>Concentration (wt%)</u>	<u>Annual Usage</u>
S13	Parts Stripping	15.0	8,760 hrs/yr
S14-1	Pretreatment	32.0	8,760 hrs/yr
S14-2	Line No. 1	10.0	8,760 hrs/yr
S14-2	Line No. 2	10.0	8,760 hrs/yr
S14-3	Line No. 3	10.0	8,760 hrs/yr
S14-4	Line No. 4	10.0	8,760 hrs/yr
S14-5	Line No. 5	18.0	8,760 hrs/yr

Hrs/day 24 Days/week 7 Weeks/year 51 or Hrs/year _____

- ** Emissions are authorized by Standard Exemption No. 75.

Dated_____

