

# 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	0.015	0.052
		CO	0.90	3.95
F3	Hardening Furnaces	QO	0.015	0.052
		CO	0.90	3.95
S9	Hardening Furnaces	QO	0.015	0.052
		CO	0.90	3.95
S11	Hardening Furnaces	QO	0.015	0.052
		CO	0.90	3.95
F2	Tempering Furnaces	QO	0.259	0.907
F4	Tempering Furnaces	QO	0.259	0.907
S10	Tempering Furnaces	QO	0.259	0.907
S12	Tempering Furnaces	QO	0.259	0.907
S3	Cr Plating Tanks	CrVI	0.0000365	0.000153
S4	Cr Plating Tanks	CrVI	0.0000183	0.000077
S7	Cr Plating Tanks	CrVI	0.0000365	0.000153
S13	Cr Plating Tanks	CrIII	0.0000086	0.000036
S14	Plating Shop	CrIII	0.000003	0.000013
	Fugitive (4)	CrVI	0.000066	0.000277

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.

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- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) QO - quench oil  
CO - carbon monoxide  
CrIII - chromium III  
CrVI - chromium VI
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Chromium VI and Chromium III emission rates from the plating operation are based on, and the facility is limited to, 800 amp rectifiers at 100 percent and 8,400 hours per year per tank. Quench oil emission rates from the hardening and tempering furnaces are based on, and the facility is limited to, the addition of 1,520 gallons of quench oil per month. Quench oil emission rates are also based on the removal of at least 1,280 gallons per month and on uniform operation for no more than 7,000 hours per year.