

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 90867

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>	
			lb/hr	TPY*
01	Scrubber Stack Chrome Plating Tanks, Chrome Anodizing Tank, and Electroless Nickel Tank	PM/PM <sub>10</sub>	0.000015	0.00032
		Cr <sub>total</sub>	0.000006	0.00002
		Cr VI	0.000003	0.00001
		Ni	0.00001	0.0005
02	Abrasive Blast Fabric Filter Stack	PM	0.008	0.01
		PM <sub>10</sub>	0.002	0.003
BLDG-FUG	Building Fugitives (4, 5, and 6) Chrome Plating Tanks, Chrome Anodizing Tank, Electroless Nickle Tank, Caustic Tank, HCl Tank, Phosphoric Acid Tank, Rinse Tanks, Machining, Grinding, and Polishing Operations, Welding, and Dipping Operations	PM	0.13	0.10
		PM <sub>10</sub>	0.13	0.10
		Cr <sub>total</sub>	0.0003	0.0013
		Cr VI	0.00014	0.0006
		Ni	<0.00001	<0.00001
		NaOH	0.001	0.002
		HCl	0.0002	0.0001
		H <sub>3</sub> PO <sub>4</sub>	0.003	0.004

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

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- (3) PM
  - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub>
    - particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub>
    - particulate matter equal to or less than 2.5 microns in diameter
  - Cr<sub>total</sub>
    - total chrome
  - Cr VI
    - chromium valence + 6
  - HCl
    - hydrogen chloride
  - NaOH
    - sodium hydroxide
  - Ni
    - nickel
  - H<sub>3</sub>PO<sub>4</sub>
    - phosphoric acid
- (4) Fugitive emissions are an estimate only.
- (5) Speciated compounds contained in the PM and PM<sub>10</sub> values.
- (6) Machining, grinding and polishing operations, welding and dipping operations authorized and conducted per the criteria of Permits By Rule
- \* Compliance with annual emission limits is based on a rolling 12-month period.

Dated February 8, 2010