

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 53050

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
101	Plasma Cell 1 HEPA Vent	PM <sub>10</sub> (4)(5)	7.9E-07	3.5E-06
		NO <sub>x</sub>	0.20	0.88
		Cr	4.7E-07	2.17E-06
		Co	7.1E-07	3.10E-06
		Ni	7.5E-07	3.3E-06
		P	7.9E-08	3.5E-07
102	Plasma Cell 2 HEPA Vent	PM <sub>10</sub> (4)(5)	7.9E-07	3.5E-06
		NO <sub>x</sub>	0.20	0.88
		Cr	4.7E-07	2.17E-06
		Co	7.1E-07	3.10E-06
		Ni	7.5E-07	3.3E-06
		P	7.9E-08	3.5E-07
103	Plasma Cell 3 HEPA Vent	PM <sub>10</sub> (4)(5)	7.9E-07	3.5E-06
		NO <sub>x</sub>	0.20	0.88
		Cr	4.7E-07	2.17E-06
		Co	7.1E-07	3.10E-06
		Ni	7.5E-07	3.3E-06
		P	7.9E-08	3.5E-07
104	Plasma Cell 4 HEPA Vent	PM <sub>10</sub> (4)(5)	7.9E-07	3.5E-06
		NO <sub>x</sub>	0.20	0.88
		Cr	4.7E-07	2.17E-06
		Co	7.1E-07	3.10E-06
		Ni	7.5E-07	3.3E-06
		P	7.9E-08	3.5E-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) PM<sub>10</sub> - particulate matter (PM) 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.
  - NO<sub>x</sub> - nitrogen oxide
  - Cr - total chromium
  - Co - cobalt
  - Ni - nickel
  - P - phosphorous
- (4) Fugitive emissions result from the HEPA vents exhausting horizontal rather than vertical.
- (5) PM<sub>10</sub> is the total allowable of all PM from this emission point including the speciated HAPs represented in Table 5-3 dated October 2002 in the permit application. The speciated HAP allowables are based upon a "super mix" powder and indicate the maximum amount of this HAP that is allowed from this emission point.

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

24 hrs/day 7 days/wk 52 wks/yr or 8,760 hrs/yr

Maximum Authorized Spray Rate: 35 lbs/hr per spray chamber and 153.3 tons/yr per spray chamber.

Dated February 20, 2003