X99 - ELECTROPLATING, OTHER

CALCULATION METHODS

Ea = [Ua x EF x E capture x (1 - E control ducted)] + [Ua x EF x (1 - E capture) x (1- E control fugitive)]

Eh = [Uh x EF x E capture x (1 - E control ducted)] + [Uh x EF x (1 - E capture) x (1- E control fugitive)]

NOTES:

- Ua = Annual electrical usage, ampere-hour/year

- Uh = Maximum hourly electrical usage, ampere-hour/ hour

- EF = Emission factor, lbs pollutant/ampere-hour

- E capture = Capture efficiency, %.

- E control ducted = Control efficiency for ducted (captured) emissions, %.

- E control fugitive = Control efficiency for fugitive emissions, %.

- Assume 75% control efficiency for wet scrubbers.

- Assume 95% control efficiency for mist suppressants (foam, wetting agents, etc.).

- Assume 99% control efficiency for HEPA filters.

- Assume TSP = PM-10.

POLLUTANT	Emission Factor (lbs/amp-hr)	REFERENCE DOCUMENT	ARB FACTOR	(UNITS)	COMMENTS
NOX					
CO					
SOX					
TOG					
ROG					
TSP	???				
PM10	???				
ALUMINUM					
BERYLLIUM					
CADMIUM					
OTHER	???				Use District approved emission and evaporation factors for each HAP component in solution

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