

**X20 - CADMIUM ELECTROPLATING, UNCONTROLLED**

**CALCULATION METHODS**

$E_a = U_a \times EF$

$E_h = U_h \times EF$

**NOTES:**

-  $U_a$  = Annual electrical usage, ampere-hour/year

-  $U_h$  = Maximum hourly electrical usage, ampere-hour/ hour

- Assume TSP = PM-10.

-  $C_i$  = Weight percent of other listed substance in solution, %.

-  $C_{Cd}$  = Weight percent of cadmium in solution, %.

- "OTHER" pollutants and their corresponding emission factors are to be manually entered.

POLLUTANT	Emission Factor	REFERENCE	ARB	(UNITS)	COMMENTS
	(lbs/amp-hr)	DOCUMENT	FACTOR		
NOX					
CO					
SOX					
TOG					
ROG					
TSP	1.10E-7 x 1/C Cd	Assume TSP and PM-10 emissions are based on the average weight percent of cadmium in solution.			
PM10	1.10E-7 x 1/C Cd				
ALUMINUM					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM	1.10E-07	EPA's Toxic Air Pollutant Emission Factors - A Compilation for Selected Air Toxic Compounds and Sources (Oct. 1988) = 5 E-5 g Cd/amp-hr.			
OTHER	1.1E-7 x $C_i$ /C Cd				

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