X40 - NICKEL ELECTROPLATING, UNCONTROLLED

CALCULATION METHODS

Ea = Ua x EF

Eh = Uh x EF

NOTES:

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

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

- Assume TSP = PM-10.

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

- C Ni = Weight percent of nickel in solution, %.

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

POLLUTANT	Emission Factor (lbs/amp-hr)	REFERENCE DOCUMENT	ARB FACTOR	(UNITS)	COMMENTS
NOX					
CO					
SOX					
TOG					
ROG					
TSP	1.80E-5 x 1/C Ni	Assume that TSP and PM-10 are based on average weight percent of nickel in solution.			
PM10	1.80E-5 x 1/C Ni				
ALUMINUM					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHLORINE					
NICKEL	1.80E-05	Average of : "EPA's Toxic Air Pollutant Emission Factors - A Compilation for Selected Air Toxic Compounds and Sources, Oct. 1988" (4.96E-7 lbs Ni/amp-hr), and "AP-42, Table 12.20-4, Oct. 2021" (5.29E-5 lbs Ni/amp-hr), and "South Coast AQMD's 2003 -2004 New Reporting Procedures for AB2588 Facilities for Reporting their Quadrennial Air Toxics Emissions Inventory, June 2004" (5.10E-7 lbs Ni/amp-hr).			
OTHER	1.80E-5 x Ci/C Ni				

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