FEDERAL GUIDELINES PARAMETERS WITH EQUATION

Cadmium (Cd)		
Aquatic Life Short Term	hardness is 0 to < 5.3 mg/L	0.11 µg/L
	hardness ≥ 5.3 to ≤ 360 mg/L	$CWQG(\mu g/L) = 10^{(1.016(\log(hardness))-1.71)}$
	hardness > 360 mg/L	7.7 µg/L
Aquatic Life Long Term	hardness is > 0 to < 17 mg/L	0.04 µg/L
	hardness ≥ 17 to ≤ 280 mg/L	$CWQG(\mu g/L) = 10^{(0.83(\log(hardness))-2.46)}$
	hardness > 280 mg/L	0.37 µg/L
Copper (Cu)		
Aquatic Life Long Term	hardness is 0 to < 82 mg/L	2 µg/L
	hardness ≥82 to ≤180 mg/L	$CWQG(\mu g/L) = 0.2 \times e^{(0.8545(\ln(hardness))-1.465)}$
	hardness >180 mg/L	4 µg/L
	hardness is unknown	2 µg/L
Lead (Pb)		
Aquatic Life Long Term	hardness is 0 to ≤ 60 mg/L	1 µg/L
	hardness >60 to ≤ 180 mg/L	$CWQG(\mu g/L) = e^{(1.273(\ln(hardness))-4.705)}$
	hardness >180 mg/L	7 µg/L
	hardness is unknown	1 µg/L
Nickel (Ni)		
Aquatic Life Long Term	hardness is 0 to ≤ 60 mg/L	25 µg/L
	hardness >60 to ≤ 180 mg/L	$CWQG(\mu g/L) = e^{(0.76(\ln(hardness))-1.06)}$
	hardness >180 mg/L	150 µg/L
	hardness is unknown	25 µg/L
Nickel (Ni)		
Irrigation	when soil pH < 6.5	1000 µg/L
	when soil pH > 6	5000 µg/L