Proposed Changes to NC Aquatic Life Standards for Metals

All proposed standards are presented as dissolved metals. Current standards are expressed as total recoverable metals.

Hardness dependent metals* are calculated at 25 mg/L hardness (proposed freshwater standards only)

Metal	Current Freshwater [1] Standard: Total (ug/L)	Proposed Freshwater Standards: Dissolved (ug/L)		Current Saltwater [2] Standard: Total (ug/L)	Proposed Saltwater Standards: Dissolved (ug/L)		Additional current standards (ug/L)	
	Aquatic Life	Aquatic Life		Aquatic Life	Aquatic Life		Human [3] Health	Water [4] Supply
	Chronic	Chronic	Acute	Chronic	Chronic	Acute		
Arsenic	50	150	340	50	36	69	10	10
Beryllium	6.5	6.5	65	none	none			
Cadmium*	2/ 0.4 trout	0.15	0.82 / 0.51 trout	5	8.8	40		
Chromium (total)	50	Proposed for removal		20	Proposed for removal			
Chromium III *	none	24	180	none	none			
Chromium VI	none	11	16	none	50	1100		
Copper *	7 (AL)	2.7(AL)	3.6 (AL)	3 (AL)	3.1 (AL)	4.8 (AL)		
Iron	1 mg/L (AL)	Proposed for removal		none	none			
Lead *	25	0.54	14	25	8.1	210		
Nickel *	88	16	140	8.3	8.2	74		25
Silver *	0.06 (AL)	0.06 (AL)	0.30 (AL)	0.1 (AL)	0.1 (AL)	1.9 (AL)		
Zinc *	50 (AL)	36 (AL)	36 (AL)	86 (AL)	81 (AL)	90 (AL)		

* Hardness Dependent Metals: Calculated at 25 mg/L hardness (Applies to Freshwater only)

AL Action Level standards (15A NCAC 02B .0211 and .0220)

[1] 15A NCAC 02B .0211

[2] 15A NCAC 02B .0220

[3] 15A NCAC 02B .0208

[4] 15A NCAC 02B .0212, .0214, .0215 and .0216