

**Proposed Changes to NC Aquatic Life and Human Health 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 for illustrative purposes (freshwater standards only)

Metal	Current Freshwater <sup>1</sup> Standard: Total (ug/l)	Proposed Freshwater Standards: Dissolved (ug/l)		Current Saltwater <sup>2</sup> Standard: Total (ug/l)	Proposed Saltwater Standards: Dissolved (ug/l)		Current Standards: Total (ug/l)		Proposed Standards (ug/l)
	Aquatic Life	Aquatic Life		Aquatic Life	Aquatic Life		Human <sup>3</sup> Health	Water <sup>4</sup> Supply	Water <sup>4</sup> 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)			
Manganese								200	Proposed for removal

\* Hardness Dependent Metals: Calculated at 25 mg/l hardness for illustrative purposes (Applies to Freshwater only)

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

<sup>1</sup> 15A NCAC 02B .0211

<sup>2</sup> 15A NCAC 02B .0220

<sup>3</sup> 15A NCAC 02B .0208

<sup>4</sup> 15A NCAC 02B .0212, .0214, .0215 and .0216