

VALUE(S) ADDED 7-24-85  
FACT SHEET REVISED \_\_\_\_\_  
VALUE(S) REMOVED \_\_\_\_\_

Date: July 26, 1984

Surface Water Quality  
Standard Documentation

Chemical: Beryllium  
C.A.S. No.(s): NA  
Basis (Human/Aquatic): Aquatic

Standard by Water Classification:

	<u>ug/l</u>	<u>Notes</u>
Classes AA,AA-s;A;A-s;B;C	11* or 1,100**	H
Class D		
Classes SA;SB;SC;I		
Class SD		

Remarks: \* = when hardness is less than or equal to 75 ppm  
\*\* = when hardness is greater than 75 ppm

Summary of Information

1. EPA. 1976. Quality criteria for water. EPA 440/9-76-026. USEPA, Wash., D.C., 256 pp.  
-criteria for the protection of aquatic life: 11 ug/l when hardness is less than or equal to 75 mg/l CaCO<sub>3</sub>; 1100 ug/l when hardness exceeds 75 mg/l. (NB: the cutoff between soft and hard water was obtained from the chapter on Hardness).  
-based on acute tests on two fish species and tests of the larval stage of salamander, a sensitive life stage; the larvae were 100-fold more sensitive in soft water, justifying lowering the criteria by this factor in soft water.

Standard Derivation

The EPA criteria are scientifically sound, satisfy the requirements of NYS protocol and should be adopted for all freshwater classes except D.