

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

Date: July 26, 1984

Surface Water Quality
Standard Documentation

Chemical: Bis(2-ethylhexyl) phthalate

C.A.S. No.(s): 117-81-7

Basis (Human/Aquatic): Aquatic

Standard by Water Classification:

	<u>ug/l</u>	<u>Notes</u>
Classes AA,AA-s;A;A-s;B;C	0.6	I
Class D		
Classes SA;SB;SC;I		
Class SD		

Remarks:

Summary of Information.

1. EPA. 1976. Quality criteria for water. EPA -440/9-76-023.
USEPA, Wash., D.C. 256 pp.

-criterion for the sum of phthalate esters: 3 ug/l for freshwater aquatic life.

-"A freshwater criterion of 3 ug/l is recommended even though some reproductive impairment was seen in daphnids, since all other species tested were so much more resistant."

-recommended as a 'goal' for marine waters.
2. IJC. 1977. New and revised Great Lakes water quality objectives, Vol II. International Joint Commission, Regional Office, Windsor, Ont. 155 pp.

-criterion for the protection of aquatic life: 0.6 ug/l; based on chronic data for daphnids and an application factor of 0.2.
3. Mayer et al. 1979. Phthalate esters. Pages 236-238 In: A review of the EPA Red Book: Quality criteria for water. R.V. Thurston et al. (Eds.) Water Quality Section, American Fisheries Society, Bethesda, M.D.

-provide additional chronic data (above that in EPA 1976) on the effects of Bis(2-ethylhexyl) phthalate on rainbow trout, brook trout and fathead minnow that supports the criterion recommended by IJC (1977).

-recommended a criterion of 0.3 ug/l.

Standard Derivation

The criterion recommended by IJC (1977) is scientifically sound, satisfies the requirements of NYS protocol and should be adopted as the standard for all fresh waters except Class D.