

VALUE(S) ADDED 7-24-85

FACT SHEET REVISED _____

VALUE(S) REMOVED _____

Date: August 6, 1984

Surface Water Quality
Standard Documentation

Chemical: Methoxychlor

C.A.S. No.(s): 72-43-5

Basis (Human/Aquatic): Aquatic

Standard by Water Classification:

	<u>ug/l</u>	<u>Notes</u>
Classes AA,AA-s;A;A-s;B;C	0.03	H
Class D		
Classes SA;SB;SC;I	0.03	H
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: "0.03 ug/l for freshwater and marine aquatic life."

-basis: about one-fifth of the lowest chronic effect level for the fathead minnow (0.125 ug/l) and use of an application factor of 0.01 with the pink shrimp acute toxicity of 3.5 ug/l.
2. IJC. 1977. New and revised Great Lakes water quality objectives, Vol II. International Joint Commission, Regional Office, Windsor, Ontario. 155 pp.

-criterion: "The concentration of methoxychlor in water should not exceed 0.04 micrograms per litre for the protection of aquatic life."

-basis: although the chronic effect for fathead minnow was noted IJC applied a factor of 0.2 to a slightly higher chronic effect level of stream invertebrates (0.2 ug/l).

Standard Derivation

The EPA criterion is scientifically sound, satisfies NYS protocol and should be adopted for all fresh and salt water classes except classes D and SD.