

VALUE(S) ADDED 7-24-85

FACT SHEET REVISED _____

VALUE(S) REMOVED _____

Date: July 26, 1984

Surface Water Quality
Standard Documentation

Chemical: Benzidine

C.A.S. No.(s): 92-87-5

Basis (Human/Aquatic): Aquatic

Standard by Water Classification:

	<u>ug/l</u>	<u>Notes</u>
Classes AA,AA-s;A;A-s;B;C	0.1	H
Class D	0.1	H
Classes SA;SB;SC;I		
Class SD		

Remarks:

Summary of Information

1. 40 CFR 129.104 (a) (3): "The ambient water criterion for benzidine in navigable waters is 0.1 ug/l."
2. EPA. 1980. Ambient water quality criteria for benzidine. EPA 440/5-80-023 USEPA, Wash., D.C.

"CRITERIA

Aquatic Life

"The available data for benzidine indicate that acute toxicity to freshwater aquatic life occurs at concentrations as low as 2,500 ug/l and would occur at lower concentrations among species that are more sensitive than those tested. No data are available concerning the chronic toxicity of benzidine to sensitive freshwater aquatic life."

Standard Derivation

40 CFR 129 required the use of the criterion cited above when promulgating an effluent standard for benzidine. Therefore, 0.1 ug/l should be adopted as the benzidine criterion for all freshwater classes.