

VALUE(S) ADDED 7-24-85

FACT SHEET REVISED -----

VALUE(S) REMOVED -----

Date: October 9, 1984

Surface Water Quality  
Standard Documentation

Chemical: Sulfite

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	200	J
Class D		
Classes SA;SB;SC;I		
Class SD		

Remarks:

Summary of Information

1. Arthur, J.W., R.P. Andrew, V.R. Mattson, D.T. Olson, G.E. Glass, D.J. Halligan and C. T. Loveridge, 1975. Comparative toxicity of sewage-effluent disinfection to freshwater aquatic life. EPA - 600/3-75-012, USEPA, Duluth, Minnesota. ix + 62 pp.

-seven day LC<sub>50</sub> values of 10 and 67 mg/l for Gammarus pseudolimneus and fathead minnow, respectively.

2. Ward, R.W. and G.N. DeGraeve. 1978. Acute residual toxicity of several wastewater disinfectants to aquatic life. Water Resources Bulletin 14: 696.

-96 hr LC<sub>50</sub> of 4.8 and 5.68 mg/l for pugnose minnow and golden shiner, respectively.

Standard Derivation

Use of an application factor 0.05 applied to the pugnose minnow data results in the recommended standard for all freshwater classes except class D of 200 ug/l.