

AMBIENT SURFACE WATER QUALITY  
STANDARDS DOCUMENTATION

CHEMICAL: Dimethylformamide

CAS NO.(s): 68-12-2

BAIS (Human/Aquatic): Human

WATER CLASSIFICATION: AA; AA-s; A; A-s

STANDARD: 50 ug/l

Note E

REMARKS:

SUMMARY INFORMATION:

Available toxicity information on this compound has been reviewed.<sup>1,2,3</sup> Insufficient data exist upon which to calculate a guideline based on chronic toxicity or aesthetic characteristics. The compound has not been adequately tested to determine its oncogenic potential.<sup>4</sup> A chronic study of dimethylformamide is being conducted by the National Toxicology Program. When the NTP study is completed, a revision of the guideline for dimethylformamide may be necessary.

STANDARD DERIVATION

Inadequate data base for this chemical precludes the use of any derivation outlined in Section 701.3 through 701.7. Therefore, the general guideline of 50 ug/l is recommended as a standard.

REFERENCES:

- (1) Clayton, J.W. et al., 1963, Am. Ind. Hyg. Assoc. J. 24: 144-154.
- (2) Lundberg, I. et al., 1981, Toxicol. 22: 1-7
- (3) New York State Department of Health, 1983, Letter from Dr. Nancy Kim to Mr. Bill Berner, re: LILCO Draft SPDES Permit Application - NY 010 9193, February 14, 1983.
- (4) Fishbein, L., 1981, Science Total Environ. 17: 97-110.

WW/pb

NOV 84

BEP 1985

VALUE(S) ADDED

8-08-83

FACT SHEET REVISED

9-6-85

VALUE(S) REMOVED