

Chemical and Biological
Characterization of
**Municipal Sludges,
Sediments,
Dredge Spoils,
and Drilling Muds**



Lichtenberg/Winter/Weber/Fradkin

EDITORS



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Chemical and Biological Characterization of Municipal Sludges, Sediments, Dredge Spoils, and Drilling Muds

*James J. Lichtenberg, John A. Winter, Cornelius I. Weber,
and Larry Fradkin, editors*



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Foreword

This publication contains papers presented at the Symposium on Chemical and Biological Characterization of Municipal Sludges, Sediments, Dredge Spoils, and Drilling Muds, which was held in Cincinnati, OH, on 20-22 May 1986. The symposium was sponsored by the following U.S. Environmental Protection Agency (USEPA) Laboratories: the Environmental Monitoring and Support Laboratory (EMSL) and the Environmental Criteria and Assessment Office (ECAO) in cooperation with the Water Engineering Research Laboratory (WERL) all of Cincinnati, OH. The symposium was chaired by James J. Lichtenberg and cochaired by Cornelius I. Weber, John A. Winter of EMSL-Cincinnati, and Larry Fradkin of ECAO.

The publication is cosponsored by the EMSL-Cincinnati, ECAO, and ASTM Committees D19 on Water and D34 on Waste Disposal.

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