

*Modeling Remedial Actions at Uncontrolled Hazardous Waste Sites*, by S.H. Boutwell, S.M. Brown, B.R. Roberts and D.F. Atwood, Noyes Publications, Park Ridge, NJ, U.S.A., 1986, ISBN 0-8155-1084-5, 440 pages, \$48.00.

This book is the combination of four U.S. Environmental Protection Agency reports written to present guidance on the selection and use of models for evaluating the effectiveness of remedial action at uncontrolled hazardous waste sites. The four volumes were:

Volume 1 — Selection of Models for Remedial Action Assessment

Volume 2 — Simplified Methods for Subsurface and Waste Control Actions

Volume 3 — Numerical Modeling of Surface, Subsurface and Waste Control Actions

Volume 4 — Analytical and Numerical Models for the Evaluation of Remedial Actions in Surface Water

Model application guidance includes: (1) the general capabilities of different types of models; (2) factors to consider when linking different models to assess complicated sites and remedial action conditions, (3) the steps to follow in applying models for remedial action assessment, (4) user expertise and resource requirement, (5) alternative ways of analyzing remedial action performance, and (6) key assumptions and limitations affecting the use of specific models.

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*RCRA Hazardous Wastes Handbook*, by R.M. Hall, Jr., T. Watson, J.J. Davidson, D.R. Case and N.S. Bryson, Government Institutes, Inc., Rockville, MD, 6th edn., 1987, ISBN 0-86587-047-0, 552 pages, \$89.00.

The hazardous waste management program established by the U.S. Environmental Protection Agency (U.S. EPA) in accordance with requirements of the Resource Conservation and Recovery Act (RCRA) is the largest regulatory program ever undertaken by the agency. RCRA was passed in October 1976, but it was not until May 19, 1982, that the U.S. EPA promulgated regulations implementing the law; these regulations went into effect on November 19, 1981, carrying with these numerous important compliance requirements for firms generating, handling or disposing of hazardous wastes.

Since 1976, the U.S. Congress has amended the act: in 1981 and again in 1984. Meanwhile, the U.S. EPA has continued to add to its RCRA hazardous waste program implementing regulations. These additions have included hundreds of technical amendments covering well over a thousand pages of fine print in the Federal Register.

According to the authors: