

*Toxic and Hazardous Wastes: Proceedings of the 18th Mid-Atlantic Industrial Waste Conference*, by G.D. Boardman (Ed.), Technomic, Lancaster, PA, 1986, ISBN 87762-479-8, xviii + 640 pages, softcover, \$55.00.

The book is a compilation of papers presented at the above-noted conference. Forty-eight papers were presented in the following eleven sessions:

- Leaking Underground Storage Tanks
- Biological treatment
- Toxic and Hazardous Materials
- Solidification/Stabilization
- Industrial Residues
- Pretreatment and Resource Recovery
- Land Application and Sludge Management
- Groundwater and Contaminant Transfer
- Public Relations and Analytical Methods
- Toxic and Hazardous Materials
- Physicochemical Treatment
- Miscellaneous Papers

GARY F. BENNETT

*Remedial Action Technology for Waste Disposal Sites*, by K. Wagner, K. Boyer, R. Claff, M. Evans, S. Henry, V. Hodge, S. Mahmud, D. Sarno and P. Scopinio, Noyes Data Corporation, Park Ridge, NJ, 2nd edn., 1986, ISBN 0-8155-1100-0, 642 pages, \$54.00.

The second edition of this useful book is much revised, much expanded and much needed as engineers in the United States face the significant task of remedial action at more than 1000 uncontrolled (Superfund) hazardous waste sites. This book discusses remedial action technologies designed to control, contain, treat or remove contaminants at hazardous waste disposal sites.

The best part of the book is found in its extensive collection of cost data. Clearly remedial action alternatives have to consider costs and the comparison thereof. In this context the book will be (as was the previous edition) a first-rate resource.

Conversely, the most unneeded part of the book was a discussion and photographs of known technology (equipment). I cannot believe that an engineer working in the field needs photographs of bulldozers, tractors centrifuges and clarifiers.

Major chapters include the remedial action selection process, surface water

control and pollution control, groundwater control, gas control, on-site and off-site disposal of waste and soil, removal of contaminants and of contaminated sediments, in-situ treatment, direct waste treatment and clean up of contaminated water supplies, and water and sewer lines.

GARY F. BENNETT

*Innovative Thermal Processes for Treating Hazardous Wastes*, by H.M. Freeman, Technomic, Lancaster, PA, 1986, ISBN 87762-482-8, 98 pages, soft-cover, \$25.00.

Freeman, one of this journal's editorial board members, has written a short, but useful, authoritative, and as the title says, "innovative" book on thermal oxidation of hazardous wastes. The data in the book are based, in large part, on U.S. Environmental Protection Agency's research and literature surveys, many of which the author had a role in. Many of the precursor papers on which the book is based have been published in this journal.

The author has placed the data in nine major chapters (listed below), but with several subdivisions in each:

- Wet Oxidation
- Molten Glass
- Molten Salt
- Fluidized Bed Incineration
- Pyrolysis
- Electric Reactors
- Plasma System
- Chemical Transformation
- Advanced Incinerators

The book is clearly and concisely written and pleasingly displayed. The publisher and author have made it easy for the reader to quickly gain an appreciation on what is on the horizon for hazardous waste incineration. My only major criticism is the very short (17 references) bibliography most of which are probably difficult-to-get company reports; I wish it had been longer, more complex and more accessible.

GARY F. BENNETT

*Impacts of Hazardous Technology: The Psychosocial Effects of Restarting TMI-1*, by J. Sorenson, J. Saderstrom, E. Greenhaver, S. Carner and R. Bulin, State University of New York Press, Albany, NY, 1987, ISBN 0-88706-332-2, 234 pages, \$39.50.