

Book Reviews

Hazardous Waste Incineration Engineering, by T. Bonner, B. Desai, J. Fullenkamp, T. Hughes, E. Kennedy, R. McCormick, J. Peters and D. Zanders, Monsanto Research Corporation, prepared for publication by A.P. Dillon, Noyes Data Corp., Park Ridge, NJ, 1981, \$45, 432 pp.

In preparation for promulgating and implementing the rules and regulations required by the Resource Conservation and Recovery Act (RCRA), the U.S. Environmental Protection Agency commissioned a number of studies on the state of the art of disposal options.

Monsanto Research Corporation of Dayton, Ohio, undertook one of these studies on hazardous waste incineration under U.S. EPA Contract No. 68-03-2550, submitting their report in November 1980. The foreword to the report begins: "The engineering guidelines contained in this book are a compendium of material available in the literature on the current state-of-the-art technology for hazardous waste incineration. They are intended to be used as a source of information for operational decisions and as a reference in the preparation of permit applications for hazardous waste incineration facilities."

To say the least, the authors have been thorough. Chapters are included on: (1) current practices, (2) waste characterization, (3) incineration and air pollution control system design evaluation, and (4) overall facility design operation and monitoring.

In the latter chapter there are a number of sub-chapters such as: (1) site selection, (2) waste receiving area, (3) storage, (4) blending and processing, (5) combustion process monitoring, (6) air pollution control device inspection and monitoring, (7) scrubber wastewater treatment system, (8) fugitive emissions, and (9) materials of construction.

There are three appendices almost as interesting as the main part of the book itself: (1) laboratory scale testing, (2) trial burn summaries and (3) a final added chapter on generic incineration processes, foreign technology, stack sampling and analysis and equipment costs.

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Sociobehaviorial Response to Chemical Hazards: Preparation for and Responses to Acute Chemical Emergencies at the Local Community Level, by E.L. Quarantelli, Disaster Research Center, Ohio State University, Columbus, Ohio, 1981, 133 pp., \$7.50.

This book is a report summarizing four years of work at Ohio State University, part of which was sponsored on the Problems-Focused Research Program of the National Science Foundation.