

## Book Reviews

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*Storage and Treatment of Hazardous Wastes in Tank Systems*, U.S. Environmental Protection Agency, Office of Solid Waste, Washington, DC, Published by Noyes Publications, Park Ridge, NJ, 1987, ISBN No. 0-8155-1138-8, 428 pp., US \$54.

The U.S. Environmental Protection Agency (U.S. EPA) published its final rules for Hazardous Waste Storage Treatment and Tank Systems on July 14, 1986. The overall goal of this rule is to protect human health and the environment from risks posed by hazardous waste storage and treatment tank systems facilities. This protection is to be accomplished through prevention of migration of hazardous waste constituents to ground and surface water where they may present human or environmental hazards. An important element of the overall protection strategy is the need to detect releases quickly so that an appropriate remedial response can be made.

This technical guidance document, written by the Office of Solid Waste of the U.S. EPA itself, is designed to help owners and operators comply with the Agency's regulations for hazardous waste storage and treatment tank systems. The 13 sections of the book cover the following topics:

- Introduction
- Background
- Permitting process
- Written assessment of tank system integrity
- New tank design
- New tank system installation
- Secondary containment and detection of releases
- Variances from secondary containment
- Appropriate controls and practices to prevent spills and overflow
- Inspections
- Response to leaks or spills and disposition of leaking or unfit-use tank systems
- Closure and post-closure care
- Special requirements for ignitable or reactive and incompatible wastes

GARY F. BENNETT

*Formula for Safety - Making Communities Safer from Chemical Hazards*, by Janis M. Adkins, Atlantic Information Services, Inc., 1050 17th St., N.W., Suite 480, Washington, DC 20036, paperback, 122 pp., 1988, US \$ 25, single copies; US \$ 14, each 5 to 100 copies.

The passage of PL 99-499 (known as SARA or Superfund Amendments and Reauthorization) included a most significant Title III, intended to bring to the general public much information and understanding about local chemical-related operations which had previously been considered secret or confidential.

This book is intended to bridge the gap between industry, the law, and the community, by explaining in detail the laws and procedures involved as part of the Community Right-to-Know, the significance of "extremely hazardous chemicals", "acutely toxic chemicals" (the lists of each are included), the reporting of leaks and spills, and the state emergency commissions (SERCs), and the dates by which reports and other data must be submitted.

A wide dissemination of this book would greatly assist the community leaders as well as the companies to comply with the law. It is hoped that such information will bring more tranquility between the public, the government, and the industry. The book is an excellent presentation and deserves attention.

H.H. FAWCETT

*Indoor Air Quality Control Techniques: Radon, Formaldehyde, Combustion Products*, by W.J. Fisk, R.K. Spencer, D.T. Grimsrud, F.J. Offerman, B. Pedersen and R. Sextro, Noyes Publications, Park Ridge, NJ, 1987, ISBN No. 0-8155-1129-9, 245 pp., US \$36.00.

Although "indoors" is not considered a hazardous area, it is becoming increasingly clear that in many cases where buildings are "tightened up" to prevent air infiltration and heat loss, the interior air quality is becoming significantly worse than outdoor air quality. In this book, originally written as a report for the U.S. Department of Energy, the authors review indoor air quality control techniques.

Indoor air pollutants discussed are radon, formaldehyde and the combustion products: nitrogen dioxide, carbon monoxide, carbon dioxide and various respirable particles. The book discusses currently available control techniques for these pollutants.

GARY F. BENNETT

*Toxic and Hazardous Waste; Proceedings of the Nineteenth Mid-Atlantic Conference*, edited by J.C. Evans, Technomic Publishing, Lancaster, PA, 1987, ISBN No. 0894-0290, 729 pp., US \$65.00.

There are a mere handful of annual environmental conferences held in the United States that produce timely, well respected proceedings, each year. This conference is one of those.

This volume, the 19th in the conference series, contains 56 papers primarily