

The genesis of this book was a series of papers pertaining to hazardous waste written by the author and presented at conferences in 1989 and 1990. Because of the expressed interest of colleagues on the topic, the author surveyed faculty and co-workers about the type and complexity of material that would be useful to them.

This survey produced *Hazardous Materials and Hazardous Waste Management: A Technical Guide*. It covers aspects of how to manage hazardous materials and hazardous waste. Topics are covered discretely so a professor, using the book as a text, can pick and choose among the chapters.

The rationale for coupling the two topics: (1) hazardous waste and (2) hazardous materials, was to give students and professionals a sense of the interconnection between the regulations governing the two.

The book has 18 chapters under five major headings plus two appendices (the latter deal with non-governmental regulatory standards [ANSI, ASTM, NFPA, API and UL]). The four major sections by title are as follows:

1. Hazardous Materials and Hazardous Waste: an Overview
2. Workplace Management of Hazardous Materials and Hazardous Waste
3. The Technology of Managing Hazardous Materials and Hazardous Waste
4. Assessing and Managing Environmental Contamination
5. Hazard Assessment and Emergency Response

To cover all the topics listed above is a challenging task. In the main, the author has done well. There are, of course, topics that I found totally lacking in coverage and others covered too briefly – but as I have stated before, it is easy for a reviewer to criticize an author who has limited space. More importantly, what is given is generally well done.

If the author wants this book adopted as a text, however, she should have included some exercises/problems with it. Moreover, too many of the references are to US government reports (EPA, DOE, etc.) – they are often hard to obtain. The conventional literature (periodicals) is more accessible.

GARY F. BENNETT

*World-Wide Limits for Toxic and Hazardous Chemicals in Air, Water and Soil*, by Marshall Sittig, Noyes Data Corp., Park Ridge, NJ, 1994, US\$ 98.00, 792 pp., ISBN 0-8155-1344-5

In this book, the author has summarized the permissible limits for more than 1000 chemicals in workplace air, in ambient air, in water of various types and in soils. Included are regulatory limits (lists) from all pertinent (US) states and 25 foreign countries and organizations.

Each entry for the listed chemicals starts with alternative names for the chemical in question and these names are cross-indexed. Following the chemical name are numerical identifiers from Chemical Abstract Services (CAS numbers). They are followed by RTECS number (Registry of Toxic Effects of Chemical Safety and Health). The third identifying number, when available, is from the joint effort of the

United Nations and the US Department of Transportation (the four-digit IMCO number).

Following these introductory identifiers is a very brief statement of the utility of the chemical. Finally, in this introductory section, for each entry there is a statement as to carcinogenicity.

Then for each chemical the data available are presented under four different categories:

1. Limits in workplace air
2. Limits in ambient air
3. Limits in water
4. Limits in soil

GARY F. BENNETT

*Resources and References: Hazardous Waste and Hazardous Materials Management*, by G. Woodside and D.S. Kocurek, Noyes Data Corp., Park Ridge, NJ, 1994, US \$64.00, 295 pp., ISBN 0-8155-1351-8

This book provides a list of books and periodicals dealing with environmental matters with an emphasis on the management of hazardous materials and hazardous waste. Much space is devoted to lists of US EPA reports/publications.

The first 146 pages contain a list of books. The next 50 pages are devoted to (what I feel is the most useful part of the book) lists and short descriptions of video tapes for training and instruction.

The next section describes information services, data bases, libraries, and government agency contacts (addresses and telephone numbers). Technical (environmental) journals are listed in an 18-page section. *The Journal of Hazardous Materials* is conspicuously missing from the list as is Idaho National Engineering Laboratory from the authors' list of Department of Energy Laboratories.

The book ends with a list (addresses and telephone numbers) of book publishers.

GARY F. BENNETT

*Transportation of Hazardous Materials: A Guide to Compliance*, by N.P. Cheremisinoff, Noyes Data Corp., Park Ridge, NJ, US\$ 54.00, 1994, 262 pp., ISBN 0-8155-1350-X

This book is designed to provide material to assist in training organizations to meet Department of Transportation requirements for hazardous materials transportation. In writing the book, the author had three objectives: (1) to help the reader become familiar with DOT hazardous material regulations; (2) to help the user recognize and identify hazardous material; and (3) to help the user establish training programs for personnel involved in hazardous material transportation.