

Book Reviews

Contaminated Surface Soils In-Place Treatment Techniques, by R. Sims, D. Sorenson, J. Sims, J. McLean, R. Mahmood, R. DuPont, J. Jurinak and K. Wagner, Noyes Publications, Park Ridge, NJ, 1986, ISBN 0-8155-1085-3, 536 pages, \$65.00.

In-place treatment technologies applicable to contaminated surface soils, less than 2 feet in depth, are described in this book which has been written in two parts. Part I discusses the selectivity of appropriate in-place treatment technology for a participating site:

- Extraction
- Immobilization
- Degradation
- Modification of Soil Properties
- Cost

Part II of the book provides monitoring information and data on the behavior of hazardous constituents in the soil with an especially extensive appendix on the parameters for assessing soil-waste interaction.

GARY F. BENNETT

The Common Sense Approach to Hazardous Materials, by F.L. Fire, Fire Engineering, Barrington, NJ, 1986, ISBN 0-912212-11-X, 364 pages, \$34.95.

The title of this book aptly describes its content. It is a text that I could happily use in teaching a course for non-technical, first responders (i.e. fire fighters) to hazardous materials spills. However, those first responders would have to be motivated to go back one step from "how to", to "why". This book gives the "why" chemicals react as they do, and why they are dangerous, based on a knowledge of chemical structure. In essence, it is really a basic chemical text with material arranged in a hazardous materials mode.

The first six chapters contain the fundamentals:

- Basic Chemistry — i.e. periodic table
- Compounds
- Covalent Bonding
- Hydrocarbons
- Hydrocarbon Derivatives
- Fire and Pyrolysis

With Chapter 7, the authors begin a study of individual classes of materials each in a separate chapter: