Handbook of Hiihly Toxic Materials Handling and Management, edited by S.S. Grossel and D.A. Crowl, Marcel Dekker, New York, NY, 1994, \$175.00, 544 pp., ISBN: 0-8847-8923-7

Since the release of methylisocynate at Bhopal, India in 1984 with tragic consequences, the chemical industry under much public and government pressure has paid much attention to its hazardous material handling procedures. And so, too, the publishing industry with a continuing parade of texts on the topic. But a number of topics the editors thought were important were not covered in prior monographs on the subject. So Grossel and Crowl set out to fill the void via this text.

To compile the book, they enlisted the aid of ten other safety experts (a number of whom are known to me through the literature) to contribute the following twelve chapters:

- Introduction
- Industrial Toxicology
- Industrial Hygiene
- Personal Protective Equipment
- Design and Operating Considerations for Process Equipment
- Design Considerations for Piping and Instrumentation
- Storage of Toxic Materials
- Transfer of Highly Toxic Materials
- Containment and Disposal of Effluent Streams from Emergency Pressure Relief Devices
- Mitigation of Spilled Volatlle Hazardous Liquids
- Equipment Maintenance
- Mechanical Integrity

Perhaps these editors have not broken any virgin ground in topics, but at least they have some different chapters than the other texts on the topic that I have reviewed and perhaps developed a new approach. I found Chapters 5 and 9 at least inclused new attacks on the problem. The emphasis is clearly on the chemical production and utilization process. Personally (probably because the topic was new to me), I found Trevor Kletz's discussion of equipment maintenance, the permit-to-work system and accident scenarios pertinent thereto and extremely inderesting [but then again I could say that about everything he writes].

In summary, the editors have produced, in my opinion, a very useful text and one I feel will well serve process engineers. It indeed fills some voids in the literature.

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Scientific Basis for Nuclear Waste Management XVIII: Part 1 and Part 2, edited by T. Murakami and R.C. Ewing, Materials Research Society, Pittsburgh, PA, Vol. 353 (2 books), \$80.00, 1995, 1433 pp. total, ISBN: 0-55899-253-7

The Eighteenth International Symposium on the Scientific Basic for Nuclear Waste Management was held in Kyoto, Japan on October 23—27, 1994. Of the 180 papers