

comment aside, I commend Battelle for their information processing procedures.

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David Casavant, Emergency Preparedness Fox Facilities: A Guide to Safety Planning and Business Continuity, ABS Consulting, Government Institutes, Rockville, MD, 2003, Cost: \$125.00 (US), 325 pp., 8 1/2 in. × 11 in. format, ISBN 0-86587-843-9.

This book is one of several emergency preparedness publications that have been spawned by the 9/11 disaster – but it goes beyond addressing terrorist-caused problems as “The author identifies and examines nineteen natural and non-natural emergencies – defined as anything that disrupts an organization – including power outages, chemical spills, bomb threats, riots or demonstrations, workplace violence, fire, drought, blizzards, or floods. He provides two case studies for each emergency event to illustrate important emergency preparedness concepts, and he provides detailed instructions on what to do in each emergency.”

“This book references and explains all relevant OSHA requirements, including the completion of OSHA Forms 300, 301, and 300A after an accident. It includes a companion CD-ROM that contains the forms and templates that safety and risk professionals need to prepare for an emergency and to create a complete emergency preparedness plan. An annual emergency assessment form, emergency action plan template, post-event assessment form, correspondence log, OSHA recordkeeping form, and more are included.”

The book has eight chapters as follows:

1. Understanding emergencies and disasters,
2. Natural events,
3. Non-natural events,
4. The basic stages of planning,
5. Creating the emergency action plan,
6. Practice makes perfect: training and drills,
7. Post-event restoration,
8. Guidelines for emergency mitigation.

There is an Appendix covering approximately 100 pages. The first section contains an example emergency action plan with page titles for all the important information the company should record. This plan is inclusive of virtually all potential disaster possibilities from chemical spills to tornadoes. Included also is a checklist for an annual audit.

Supplied, too, are OSHA forms for reporting work-related injuries and illnesses. Following this section is a list of helpful websites and a list of potentially helpful organizations.

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I.J. Tinsley, Chemical Concepts in Pollutant Behavior, 2nd ed., Wiley, Hoboken, NJ, 2004, pages 407, US\$89.95, ISBN 0-471-09525-7

Tinsley writes that he has developed his text over time for a course he has taught about 27 years. He notes that “the content of the course has changed dramatically over this time as the field matured, however, the objective to demonstrate chemical factors determining environmental behavior has remained the same.”

The key element in this book is following a chemical’s fate and transport after release into the environment. Where does a released chemical go, how fast does it travel, what are its sinks and ultimately its fate? Tinsley discusses these topics in a logical fashion. Each concern is reviewed and applicable equations developed so the students, especially those in chemistry and chemical engineering, should be able to follow the topics developed.

Chapter 2, entitled “Physical Chemical Parameters,” has the following concepts developed: equilibrium vapor pressure, aqueous solubility, Henry’s Law Constant, octanol–water partition coefficient, and acids and bases: dissociation constants.

Following this fundamental chapter are succeeding chapters dealing with the following topics:

- Sorption,
- Evaporation,
- Absorption and bioconcentration,
- Photochemical processes,
- Redox processes,
- Hydrolysis,
- Metabolic transformation,
- Synthesis.

The publisher notes that “while taking up traditional problems of interactions between water, soil, and air, the text also explores discussions of uptake by plants from soil and absorption by foliage from the air. Though the text remains focused on compound behavior, the author takes a holistic approach to the subject, emphasizing its interdisciplinary nature.”

The book is well written, well referenced and the topics logically developed. Missing, however, in my opinion, are problems for student assignment.

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