

5. Methods and tools are available for applying industrial ecology; and presented these concepts in the following chapters:

- Industry as Living Systems Within Living Systems
- Industrial Ecology Methods and Tools
- Product-Life Extension and the Service Economy
- Emerging Business Opportunities Suggested by Industrial Ecology
- Industrial Ecology Opens New Opportunities for Government
- Industrial Ecosystems and Eco-Industrial Parks
- Strategies for Creating and Implementing IE Are Emerging

The book's format is intriguing. For example, the authors use only 2/3 of each page for their text, leaving the column nearest the outer edge of each page open—but in many instances filled with examples of industrial ecology successes. Second, each chapter provides extensive references to publications, on-line sources, and organizations for gaining more information about different aspects of the field.

GARY F. BENNETT

PII: S0304-3894(98)00169-1

Safe Work Practices for the Environmental Laboratory, Frank R. Spellman, Technomic Publishing, Lancaster, PA, 1998, \$89.95, 158 pp (looseleaf, 8 1/2 × 11 in.), ISBN: 1-56676-574-9

The purposes stated by Spellman for this guide are two-fold: (1) to assist the laboratory's Chemical Hygienist/Safety Officer in complying with OSHA regulations; and (2) to give laboratory workers the information needed to perform routine laboratory tests both correctly and safely. The major hazards discussed in this text concern hazardous materials—dangerous chemicals and compounds—and the affect they can have on work practices.

The introduction to the book begins with the following statement: "The health and safety of personnel who work in a laboratory is ultimately the responsibility of the person in charge of the facility." Managers cannot delegate safety; it is their responsibility, thus making use of books such as this essential in examining their own practices in establishing a safe working environment.

Towards this goal, Spellman has written the text as a reader-friendly book designed specifically for environmental laboratory workers involved in environmental/analytical testing of: (1) water/wastewater/stormwater/groundwater; (2) soils; (3) hazardous waste characterization; (4) drinking water certification; (5) state NPDES permit requirements; (6) petroleum products testing; (7) field sampling; (8) lead and paint testing; and (9) asbestos testing.

The main objective of this text is the focus on the two major components of laboratory safety: (1) the design of safe facilities; and (2) safe work practices. In line with these objectives, the text is composed of the following 16 chapters that cover the wide range of topics that are important in maintaining a safe laboratory environment:

1. Introduction
2. Management, leadership, and employee involvement

3. Hazard evaluation and identification
4. Documentation requirements
5. Training requirements
6. Medical surveillance requirements
7. Chemical hygiene plan
8. Identification of hazardous chemicals
9. Waste management: hazards and practices
10. Laboratory design
11. Ventilation
12. Personal protective equipment (PPE)
13. Safety shower/eyewash stations
14. Respiratory protection
15. Emergency response
16. Safe work practices: chemical handling

The author has included numerous photographs to illustrate various settings and safety actions which he describes. Appropriate references also are included at the end of the book.

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Quick Selection Guide to Chemical Protective Clothing, Third Edition, Krister Forsberg and S.Z. Mansdorf, Wiley, New York, NY, 1998, \$25.95, 118 pp. ISBN: 0-47-128797-0

This guidebook contains information on hazardous chemicals and recommendations for the selection of chemical protective clothing materials based on published and unpublished scientific test data.

The color-coded tables of recommendations contain a listing of 16 representative protective barriers against approximately 600 chemicals of interest. These barrier listings include materials of construction of gloves, boots and suits.

The guidebook is divided into seven (7) major sections as follows:

1. Introduction—including a section on how to use the guide
2. Selection and Use of Chemical Protective Clothing—including ten (10) important considerations in this selection process
3. Chemical Index
4. Selection Recommendations
5. Glossary
6. Standards for Chemical Protective Clothing
7. Manufacturers of Chemical Protective Clothing

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