



Green Engineering: Environmentally Conscious Design of Chemical Processes

By Allen, David T.; Shonnard, David R.

Prentice Hall, 2001. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface. About the Authors. Acknowledgments. I. A CHEMICAL ENGINEER'S GUIDE TO ENVIRONMENTAL ISSUES AND REGULATIONS. 1. An Introduction To Environmental Issues. Introduction. The Role of Chemical Processes and Chemical Products. An Overview of Major Environmental Issues. Global Environmental Issues. Air Quality Issues. Water Quality Issues. Ecology. Natural Resources. Waste Flows in the United States. Summary. References. Problems. 2. Risk Concepts. Introduction. Description of Risk. Value of Risk Assessment in the Engineering Profession. Risk-Based Environmental Law. General Overview of Risk Assessment Concepts. Hazard Assessment. Dose-Response. Exposure Assessment. Risk Characterization. Summary. References. Problems. 3. Environmental Law and Regulations: From End-of-Pipe to Pollution Prevention. Introduction. Nine Prominent Federal Environmental Statutes. Evolution of Regulatory and Voluntary Programs: From End-of-Pipe to Pollution Prevention. Pollution Prevention Concepts and Terminology. References. Problems. 4. The Roles and Responsibilities of Chemical Engineers. Introduction. Responsibilities for Chemical Process Safety. Responsibilities for Environmental Protection. Further Reading in Engineering Ethics. References. Problems. II. EVALUATING AND IMPROVING ENVIRONMENTAL PERFORMANCE OF CHEMICAL PROCESSES. 5. Evaluating Environmental Fate: Approaches based on chemical structure.

Reviews

Extensive information for book fans. It is written in basic words and never hard to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Otis Wisoky**

This publication is great. It is full of wisdom and knowledge You will not really feel monotony at any time of the time (that's what catalogs are for relating to when you ask me).

-- **Dr. Everett Dicki DDS**