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Overview of Indoor Air Quality; The Basics of HVAC Systems; IAQ Issues and Impacts on Occupants; Application of Audits to Developing an IAQ Profile; Developing Management Plans; How to Diagnose IAQ Problems; Control; Quantification and Measurement; Recommended Resources for the Reader; Review and Questions to Get You Thinking; Chapter 5. Air Pollution Dispersion; Introduction; Dispersion Theory Basics; Estimating the Air Quality Impact of Stationary Sources; Other Models and Resources; Case Study Applying SCREEN
References and Recommended Resources for the ReaderReview and Questions to Get You Thinking; Chapter 6. Prevention Versus Control; Introduction; Pollution Prevention: When and How; Principles of Pollution Prevention; References and Recommended Resources for the Reader; Review and Questions to Get You Thinking; Chapter 7. Prevention and Control Hardware; Introduction; Methods of Particulate Collection; Methods for Cleaning Gaseous Pollutants; References and Recommended Resources for the Reader; Chapter 8. Environmental Cost Accounting; Introduction; Total Cost Accounting Terminology Case StudyGlossary; Index

Sommario/riassunto

This Handbook provides a concise overview of the latest technologies for managing industrial air pollution in petrochemical, oil and gas, and allied industries. Detailed material on equipment selection, sizing, and troubleshooting operations is provided along with practical design methodology. Unique to this volume are discussions and information on energy-efficient technologies and approaches to implementing environmental cost accounting measures.Included in the text are sidebar discussions, questions for thinking and discussing, recommended resources for the reader (including Web s