

## **Book Reviews**

*Tailings Management: Problems and Solutions in the Mining Industry*, by Gordon M. Ritcey, Elsevier, Amsterdam, 1989, ISBN 0-444-87374-0, 970 pp., Dfl 395.00 (\$225)

During the past 10-15 years the mining industry has experienced many environmental problems that relate to the management of tailings discharged from mining and milling processes. Environmental concerns include pollution of surface waters, groundwater, soils, and air emissions. This book represents an excellent document to aid anyone in the mining industry to better understand environmental problems related to tailing management and to develop environmentally acceptable solutions in the field.

The author is to be congratulated on relating this important environmental subject to the specific needs of the mining industry. All aspects of the mining industry that relate to tailings management have been included in this exhaustive, all-encompassing book.

It is highly recommended anyone in industry, government, or academia who is connected with environmental management of the mining industry. This important reference book is well conceived and organized. In addition, it provides many useful references at the conclusion of each chapter.

CHARLES A. WENTZ

*Introduction to Industrial Gas Cleaning*, by F.A.L. Pullen, Academic Press, San Diego, CA, 1988, ISBN 0-12-223652-1, 285 pp., \$55.

This is possibly the best air pollution control textbook I have seen in years, at least from the fundamental (mathematics) viewpoint. The book evolved over a 10-year period from class notes used in an Air Pollution Control course given to fourth year chemical engineering students at the University of Waterloo in Ontario, Canada.

While most air pollution control texts lean heavily on descriptive material, their design aspects are mainly empirically based. Not so, this text. Pullen presents enough descriptive material to set the stage before giving design equations based on basic fundamental principles. The text has numerous well-worked-out numerical examples and appropriately detailed formulae derived. Then, at the end of each chapter, he has included several problems to be assigned to students.

From a personal perspective, I found three areas in the text different from the material that I give students. First, I spend more time defining the air