

11. Federal Facility Compliance Act
12. Toxic Substances Control Act
13. Pesticides
14. Pollution Prevention Act
15. Occupational Safety and Health Act
16. Liabilities and Enforcement

To assist readers, a comprehensive table of contents and index are provided.

GARY F. BENNETT

*Environmental Oxidants*, by J.O. Nraigu and M.S. Simmons (Eds.), Wiley, New York, NY, \$100.00, 1994, 630 pp., ISBN: 0-471-57928-9

This book provides a broad overview of the environmental chemistry and toxicology of oxidants and their role in pollution/pollution control. The topics covered include the evolution, production, distribution and fate of oxidants in the atmosphere, hydrosphere and biosphere; the influence of human activities on oxidative processes in the atmosphere; oxidative stress at the cellular, systemic and ecosystem levels; and the use of oxidants in wastewater treatment processes.

The book has 20 separate chapters of approximately equal length (30 pp. each) covering (as noted above) a wide variety of topics.

I was particularly interested in the two chapters near the end since I am cognizant of the literature in those two areas:

- (1) Use of ozone and other strong oxidants for hazardous waste management
- (2) The selective catalytic reduction of NO<sub>x</sub> emissions from utility boilers.

Both chapters were well-done, but due to space limitations shorter (and less complete) than I would have liked.

Other chapters discuss:

- (1) Photosynthetic oxygen evolution
- (2) Oxidants in the unpolluted marine atmosphere
- (3) Ozone formation in urban plumes
- (4) The impact of dynamics and transport on stratospheric ozone and other constituents
- (5) Health effects and toxicology of ozone and nitrogen dioxide
- (6) Some hematological effects of oxidants.

GARY F. BENNETT

*Remediation of Hazardous Waste Contaminated Soils*, by D.L. Wise and D.J. Trantolo (Eds.), Marcel Dekker, Inc. New York, NY, 1994, \$195.00, 952 pp., ISBN: 0-8247-9160-6

This book is the eighth volume of Marcel Dekker's Environmental Science and Pollution Control Series. It contains 36 diverse chapters written by over 70 contributors on a wide variety of timely remediation topics.