

Clearly, this is a narrow book with a single industry focus. As such, it will not have, I believe, a major number of sales. It will, however, be a 'must' for those in the field.

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PII: S0304-3894(99)00018-7

Groundwater Remediation and Treatment Technologies, N.P. Cheremisinoff, Noyes Publications, Park Ridge, NJ, 1998, US\$68.00, 395 pp., ISBN: 0-8155-1411-5

The intended audience of the book is practicing engineers who deal with groundwater and leachate remediation. Much of the information in the book came from U.S. EPA publications as evidenced by the author's reproduction of U.S. EPA fact sheets in the 40-page first appendix.

The book begins with a primer on geology (a topic that has not normally been discussed in other books on engineering). Cheremisinoff's *Principles of Geology* is followed by two companion chapters: *Relationship Between Groundwater and Surface Water* and *Principles of Hydrogeology*.

Having established background (the fundamentals of the medium contaminated), the author moves to the topic at hand: *Groundwater Contamination*. Described are sources, probable causes and movement (migration).

Solving the contaminant problem begins in Chapter 5: *Groundwater Restoration Through In-Situ and Ex-Situ Practices*. I was disappointed in the references used as none was less than 8 years old and the average publication date was 14 years ago.

Subsequent chapters are entitled:

- Pump-and-Treat Remediation Technology
- Treating Contaminated Groundwater and Leachate

In addition to the EPA fact (process description) sheets, the appendix contains (1) water solubility, vapor pressure, Henry's Law Constant, K_{oc} and K_{ow} data (for more than 400 chemicals), (2) viscosity and density data and (3) short site-specific summaries of pump-and-treat application.

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Fundamentals of Environmental Engineering, Danny D. Reible, Lewis Publishers, Boca Raton, FL, 1999, \$69.95, 526 pp., ISBN: 0-56670-047-7

Fundamentals of Environmental Engineering is the third book to have been written recently by a faculty member of the Department of Chemical Engineering of Louisiana State University (LSU). All three published books are excellent.

The first book from this group was *Environmental Chemodynamics* by L.J. Thibodeaux (now in its second edition). The second book was *Elements of Environmental Engineering: Thermodynamics and Kinetics* by K.T. Valsaraj (reviewed previously in this journal).

The unique aspect of Reible's book is that it was written for chemical (environmental) engineering students. In a field dominated by civil engineers, it is a pleasure for this