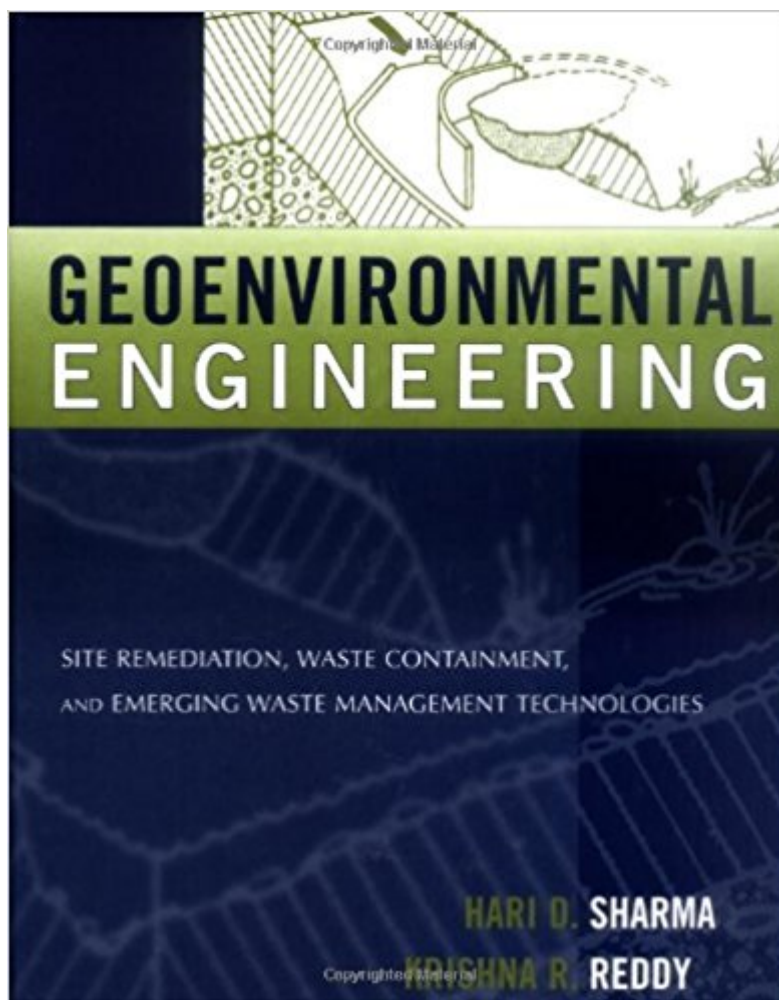




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Geoenvironmental Engineering: Site Remediation, Waste Containment, And Emerging Waste Management Techonolgies



Synopsis

Geoenvironmental Engineering covers the application of basic geological and hydrological science, including soil and rock mechanics and groundwater hydrology, to any number of different environmental problems. * Includes end-of-chapter summaries, design examples and worked-out numerical problems, and problem questions. * Offers thorough coverage of the role of geotechnical engineering in a wide variety of environmental issues. * Addresses such issues as remediation of in-situ hazardous waste, the monitoring and control of groundwater pollution, and the creation and management of landfills and other above-ground and in-situ waste containment systems.

Book Information

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"Appropriately balanced.... The authors possess the special ability of presenting scientific and engineering information while maintaining an easy-to-read style. Almost all topics dealt with include one or more examples of practical application (this feature may be one of the authors' secrets which make their book so reader friendly). This book provides an extensive compilation of up-to-date knowledge on geoenvironmental technologies and makes a major contribution to putting this essential discipline on a solid footing. It will not be surprising if it rapidly becomes a best seller." (Land Contamination and Reclamation, 13:1, 2005) "Sharma and Reddy cover the topic [of Geoenvironmental Engineering] thoroughly in this book...this is an excellent text that may very well dominate this field for several years." (Journal of Hazardous Materials, November 2004)

A comprehensive, single-source volume covering all aspects of geoenvironmental engineering

Geoenvironmental Engineering is a unique combination of essential geotechnical, geochemical, and groundwater flow information and the application of this knowledge to a host of common environmental problems and engineering solutions. Complete with example problems, case histories, and thought-provoking questions, Geoenvironmental Engineering: Presents environmental laws and regulations, chemical, geochemical and geotechnical background, and fundamentals of groundwater flow and contaminant transport Discusses sources of contamination, contaminated site characterization, risk assessment, in situ waste containment, and soil and groundwater remediation technologies Provides information on the design and evaluation of landfills and surface impoundments—including sources and characteristics of wastes, regulations and siting requirements, liner systems, leachate collection and removal systems, final cover systems, gas management, and groundwater monitoring requirements Outlines such emerging technologies as beneficial uses of closed landfills, recycling, bioreactors, and in situ capping of subaquatic waste sediments Featuring comprehensive, up-to-date references at the end of each chapter, Geoenvironmental Engineering is a valuable resource for students of environmental and geotechnical engineering; hydrology, hydrogeology, and general civil engineering; and professionals in these fields, as well as environmental regulators and administrators at local, state, and federal levels.

It is acceptable but it is not new, it is used. I thought it will be new.

TONS of errors! Not only in the material but all across the practice problems. Every class, the professor hands out a sheet to highlight the errors in the reading/assignment. Honestly, I don't know why he chose to use this book with so many glaring errors. I'm sure this book probably has good material, but that's all pretty much pointless if everything is incorrect...

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