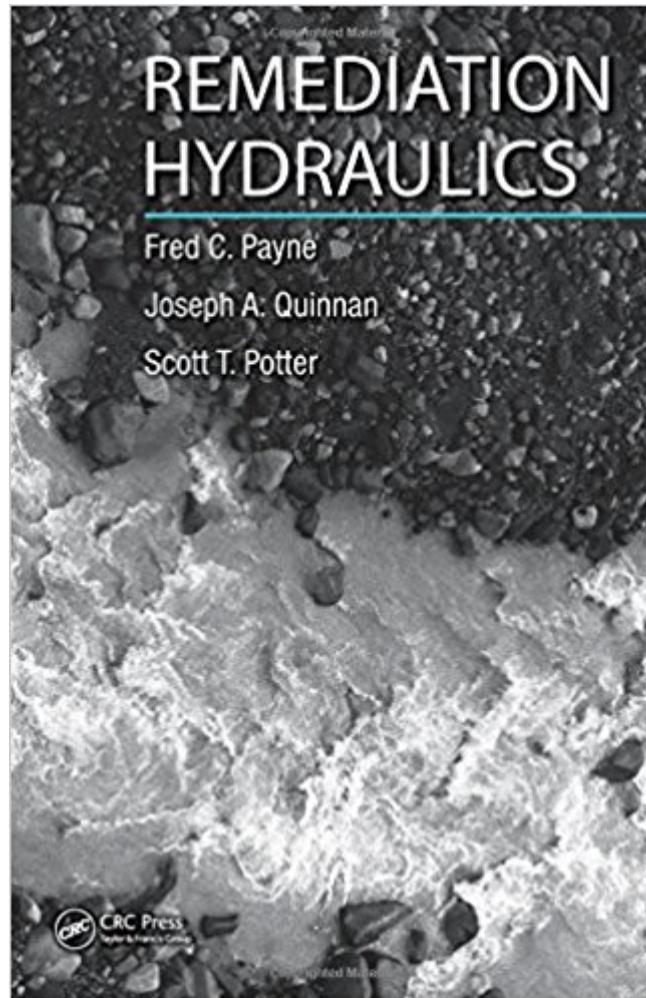


The book was found

Remediation Hydraulics



Synopsis

In situ treatments involving the arrangement of contact between prospective reactants in complex porous media require a refined understanding of solute migration. However, the tools and methods used to predict and control fluid movement in the subsurface need significant improvement. Practitioners and regulators must develop novel methods to achieve an advanced understanding of treatment mechanisms. Remediation Hydraulics addresses the need to predict and control fluid movement in the subsurface. It demonstrates how to conduct realistic assessments of contaminant plume structure and achieve contact between injected reagents and target compounds. The book describes both the advection-dispersion and continuous random walk theories of mass transport as well as explains the practical implications of each theory in remedial system design. In addition, it devotes an entire section to the development of conceptual site models and hydrostratigraphic characterization techniques that will aid practitioners in assessing the role of depositional environments in patterning groundwater flows and containment distributions. Based on the authors'™ sound experience at over one hundred groundwater treatment projects, this book provides an arsenal of relevant theories and practical applications to aid practitioners and regulators in the prediction of fluid movement in the subsurface as well as in the design of pilot to full-scale remediation systems.

Book Information

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Customer Reviews

The book has quite a bit of usable tables and practical applications. The examples in the book are kind of odd, just described in the text and sometimes hard to follow, overall lacking in examples. The appendix could also be more thorough to help you find things in the book. Certain methods and models are not described in any detail and alternate resources are necessary, such as SVE and equations for Brooks and Corey and van Genuchten. Overall though, it's generally easy to read and covers its topic pretty well. Also, a pretty up-to-date book.

This is a thorough and comprehensive review of the theory and practice of remediation hydraulics. Anyone doing remediation should read this book.

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