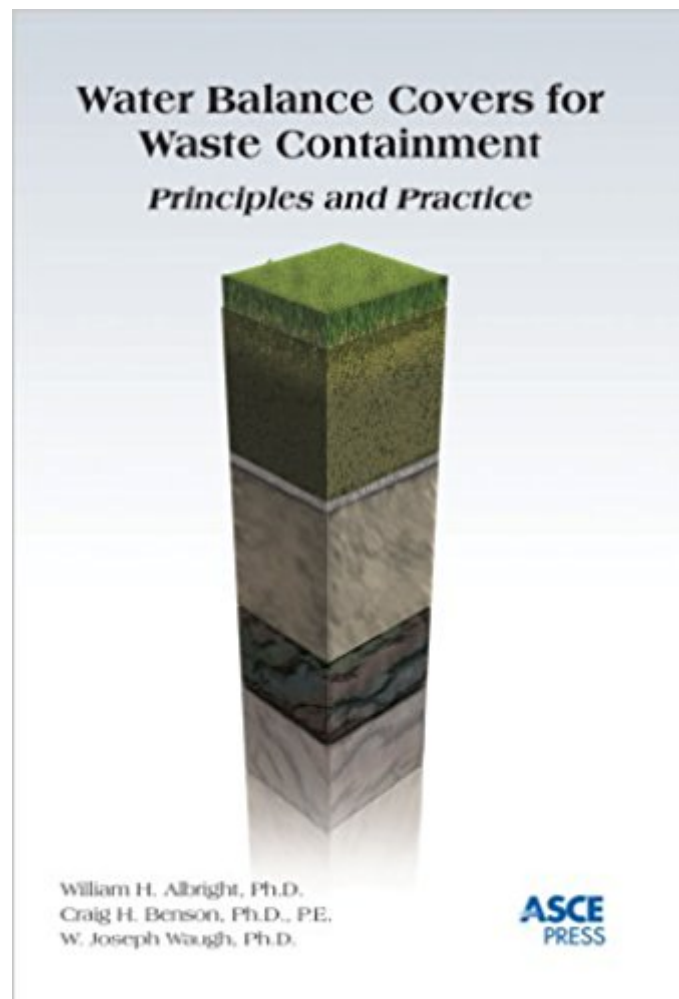




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Water Balance Covers For Waste Containment: Principles And Practice



Synopsis

This book presents, for the first time in one place, the results of the latest research regarding water balance covers for solid waste sites, along with case studies drawn from current field testing. *Water Balance Covers for Waste Containment: Principles and Practice* introduces water balance covers and compares them with conventional approaches to waste containment. The authors give detailed analysis of the fundamentals of soil physics and design issues, introduce applicable ecological concepts and revegetation practices, and then move on to construction, modeling, and maintenance. A viable alternative to conventional landfill cover systems, water balance covers (also known as store-and-release and evapotranspiration covers) cycle water from the soil to the atmosphere during growing season, minimizing the percolation of rainwater through the soil, and thus the production of leachate from land fill contents. This book will be valuable to practicing engineers, as well as regulatory analysts.

Book Information

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Customer Reviews

Albright et al. have provided a great companion to cover design. The content is straight to the point, introduces the basic concepts required to model unsaturated soil columns and common pitfalls in design (especially account for soil pedogenesis of compacted soils). A practical and convenient reference. If you do cover design, you'll want this.

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