



Natural Wastewater Treatment Systems (Hardback)

By Ronald W. Crites, E. Joe Middlebrooks, Robert K. Bastian

Taylor Francis Inc, United States, 2014. Hardback. Condition: New. 2nd Revised edition. Language: English . Brand New Book. Calling for ecologically and economically sound wastewater treatment systems, the authors of Natural Wastewater Treatment Systems explore the use of wetlands, sprinkler or deep irrigation, groundwater recharge, and other natural systems as sustainable methods for the treatment and management of wastewater. Based on work by prominent experts in natural waste treatment, this text provides a thorough explanation on how soil and plants can successfully sustain microbial populations in the treatment of wastewater. Determining that natural systems cost less to construct and operate, and require less energy than mechanical treatment alternatives, this book also explains how these processes produce lower amounts of residual solids, and use little or no chemicals. What's New in the Second Edition: This revised edition includes current design and regulatory and operational developments in the natural wastewater treatment field. It provides detailed examples and analyses along with significant operational data in each chapter. It also considers how processes provide passive treatment with a minimum of mechanical elements, and describes new approaches to partially mixed ponds, including dual-powered aeration ponds. * Introduces the planning procedures and treatment mechanisms responsible...



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