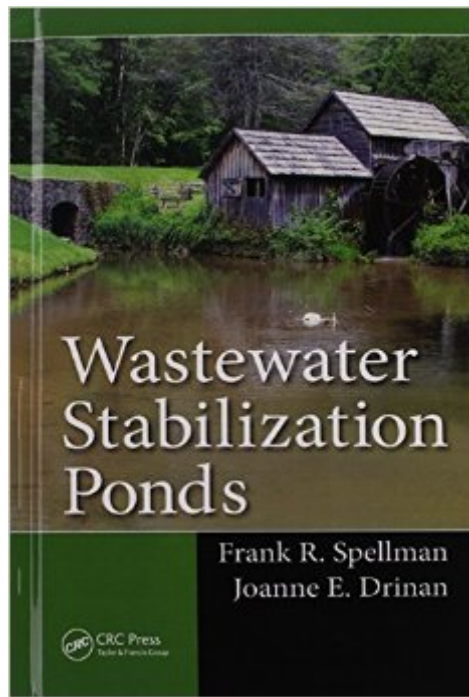


The book was found

Wastewater Stabilization Ponds



Synopsis

Ponds (lagoons) have been used for centuries with great success in the treatment of wastewater. Ponds created for treatment, known as stabilization ponds, model the physical and biochemical interactions that occur in natural ponds. Easy to build and manage, stabilization ponds can accommodate large fluctuations in flow, and provide results that are comparable to conventional systems at a much lower cost. *Wastewater Stabilization Ponds* examines the use of this natural and highly effective process. The text is centered on wastewater pond management processes and operation procedures that provide passive treatment with a minimum of energy-driven mechanical elements. It highlights the environmental principles, practices, engineering, and mathematics involved in the design and operation of conventional wastewater stabilization ponds. It also explores the major processes, procedures, and design methods relevant to wastewater treatment ponds. This includes the basic processes, in-pond design evolution and enhancements, oxygen addition, and modifications that require energy, nutrient removal, as well as effluent total suspended solids removal. Emphasizing the design, construction, and operation of wastewater ponds, the book serves as a valuable resource for anyone seeking information on pond construction and operation, knowledge of pond operation, and assistance in certification exam preparation and study. Presents a design of wastewater stabilization ponds Includes a complete description of pond process elements Provides descriptions of pond insect macroinvertebrates Incorporates pond morphometry calculations Contains extensive pond-related math problems Sustainability and energy conservation are underlying themes throughout the text and the authors offer valuable information on potential renewable energy sources.

Book Information

Hardcover: 343 pages

Publisher: CRC Press (April 9, 2014)

Language: English

ISBN-10: 1466593180

ISBN-13: 978-1466593183

Product Dimensions: 6 x 1 x 9.1 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #331,834 in Books (See Top 100 in Books) #63 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Waste Management](#) #68

inÂ Books > Science & Math > Nature & Ecology > Water Supply & Land Use #96 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Water Quality & Treatment

[Download to continue reading...](#)

Wastewater Stabilization Ponds Garden Ponds: Basic Pond Setup And Maintenance (Garden Ponds Made Easy) Therapeutic Exercise for Lumbopelvic Stabilization: A Motor Control Approach for the Treatment and Prevention of Low Back Pain, 2e Wastewater Collection System Operator Certification Studybook Wetlands for Tropical Applications: Wastewater Treatment by Constructed Wetlands Water and Wastewater Calculations Manual, Third Edition Reusing the Resource: Adventures in Ecological Wastewater Recycling Water and Wastewater Engineering Alternative Water Sources and Wastewater Management How to Build Ponds and Waterfalls and Much More...: The Complete Guide Parlor Ponds: The Cultural Work of the American Home Aquarium, 1850 - 1970 Water Storage: Tanks, Cisterns, Aquifers, and Ponds for Domestic Supply, Fire and Emergency Use--Includes How to Make Ferrocement Water Tanks All About Building Waterfalls, Ponds, and Streams Earth Ponds Sourcebook: The Pond Owner's Manual and Resource Guide, Second Edition Mini Encyclopedia of Garden Ponds: How to Plan, Construct and Maintain a Vibrant Pond That Will Enhance Your Garden Ortho's All About Building Waterfalls, Ponds, and Streams Hidden Waters of New York City: A History and Guide to 101 Forgotten Lakes, Ponds, Creeks, and Streams in the Five Boroughs Peril in the Ponds: Deformed Frogs, Politics, and a Biologist's Quest Dam Builders: The Natural History of Beavers and their Ponds The Illustrated World Encyclopedia of Freshwater Fish & River Creatures: A Natural History and Identification Guide to the Animal Life of Ponds, Lakes ... 1000 Detailed Illustrations and Photographs

[Dmca](#)