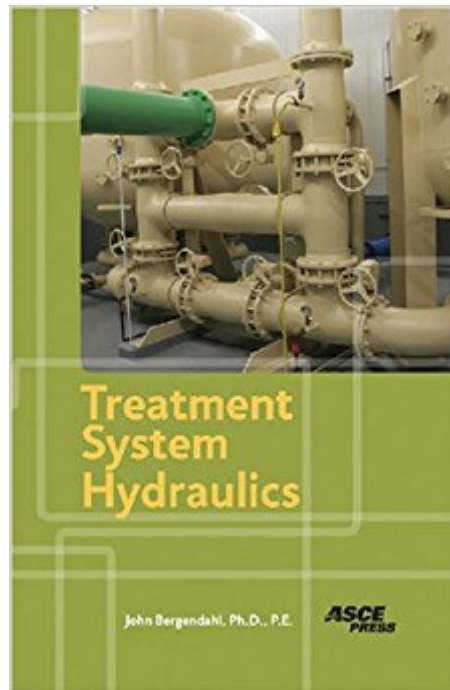




Ebook Directory
the best source of ebook

The book was found

Treatment System Hydraulics



Synopsis

When it comes to water and wastewater treatment facilities, environmental engineers quickly discover that knowledge of chemical, physical, and biological processes is not enough to ensure a workable design and trouble-free operation. The success of a treatment system depends to a significant degree on the system's fluid flow--that is, on the selection and arrangement of pipes, channels, valves, pumps, and other hydraulic components that move fluid through the system. Treatment System Hydraulics addresses the nuts-and-bolts of treatment systems, examining typical variables and describing methods for solving the problems faced by practitioners on a daily basis. The book begins with an introduction to treatment systems and hydraulics and explains the basic concepts of fluid properties, fluid statics, and fluid flow. Then Bergendahl discusses the factors that shape engineering decisions: friction in closed conduits, pumps and motors, granular media, valves, instrumentation, materials and corrosion, effects of transient conditions, and open channel flow. Each chapter presents fundamental concepts and applications in diverse situations, along with worked examples and problem sets. Suitable for undergraduate and graduate courses, Treatment System Hydraulics is also an useful reference for environmental, mechanical, civil, and chemical engineers designing or managing water treatment facilities. About the Author John Bergendahl, Ph.D., P.E., is an associate professor in the civil and environmental engineering department of Worcester Polytechnic Institute in Massachusetts.

Book Information

Hardcover: 280 pages

Publisher: American Society of Civil Engineers (May 15, 2008)

Language: English

ISBN-10: 0784409196

ISBN-13: 978-0784409190

Product Dimensions: 0.8 x 7.2 x 10 inches

Shipping Weight: 1.5 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #766,978 in Books (See Top 100 in Books) #178 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Hydrology](#) #185 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Waste Management](#) #239 in [Books > Engineering & Transportation > Engineering > Mechanical > Hydraulics](#)

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

The Hydraulics Manual: Includes Hydraulic Basics, Hydraulic Systems, Pumps, Hydraulic Actuators, Valves, Circuit Diagrams, Electrical Devices, Troubleshooting and Safety (Mechanics and Hydraulics) Treatment System Hydraulics Hepatitis C Symptoms, Treatment and Cure: Survivor's true story of 12 week treatment and cure (Hepatitis C Symptoms Treatment and Cure Series) Nail Fungus Treatment: Cure Nail Fungus Naturally With This Fast Toenail Fungus Treatment and Toenail Fungus Cures (nail fungus cures, nail fungus treatment, nail fungus) The LiceX Solutions System, Natural Lice Treatment Home System Helicopter Pilot's Manual Vol 2: Powerplants, Instruments and Hydraulics Open Channel Hydraulics Schaum's Outline of Fluid Mechanics and Hydraulics (Schaum's) 2,500 Solved Problems In Fluid Mechanics and Hydraulics Ground-Water Hydrology and Hydraulics Groundwater Hydraulics And Pollutant Transport Hydraulics of Groundwater (Dover Books on Engineering) Applied Groundwater Hydrology & Well Hydraulics Introduction to Hydraulics & Hydrology: With Applications for Stormwater Management Schaum's Outline of Fluid Mechanics and Hydraulics Gas Pipeline Hydraulics Schaum's Outline of Fluid Mechanics and Hydraulics, 4th Edition (Schaum's Outlines) Fluid Power: Hydraulics and Pneumatics Industrial Fluid Power, Vol. 1: Basic Text on Hydraulics, Air & Vacuum for Industrial and Mobile Applications Industrial Hydraulics Manual 5th Ed. 2nd Printing

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)